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GOVERNMENT OF INDIA



NEWS & UPDATES

Issue : July 2025



11th Asian Mining Congress

October 30th & 31st, 2025

Hotel JW Marriot, Kolkata

Congress Theme:

Innovative & Responsible Mining for Inclusive Growth



11th International Mining, Equipment & Minerals Exhibition

October 30th - November 2nd, 2025

**Biswa Bangla Mela Prangan
& Science City Ground, Kolkata**

— Concurrent with —

— Co-Located with —



2nd International Metal Exhibition

October 30th - November 2nd, 2025

**Science City Ground &
Biswa Bangla Mela Prangan, Kolkata**

&



2nd International Metal Conference

October 31st, 2025

Hotel ITC Sonar, Kolkata

Industry Support

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AUSTRALIA

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Mining & Minerals

CHINA PAVILION

BY



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TO ENQUIRE FOR EXHIBITING



ORGANISED BY



TAFCON



MGMI

**Expected
Participation:**

1,000+

Exhibitors

10+

Pavilions

34+

Countries

34,000+

Footfalls

www.metalexpoindia.com

www.miningexpoindia.com



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Ministry of Coal & Mines
Government of India



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MGMI Celebrating 120 years OF INCEPTION



MESSAGE

P. M. Prasad

Chairman-Cum-Managing Director
Coal India Ltd.

The transformation of the mining sector has been a vital part of India's journey to become self-reliant, globally competitive, and deeply committed to the welfare of its people. The strategic shift from manual to digital, import dependence to self-sufficiency and short-term exploitation to long-term sustainability to mark New India's strength and confidence.

More importantly, the Government has opened the sector for Commercial mining which has broken old monopolies, welcoming new players and new ideas into the ecosystem. This has led to growth not just in production, but also in trust, jobs, and prosperity in our mineral-rich states.

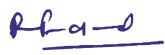
Pertinently, the forthcoming edition of "11th Asian Mining Congress and concurrent International Mining Equipment and Minerals Exhibition" organised by MGMI & TAFCON scheduled during October 30 – November 2, 2025 at Kolkata., will offer excellent platform for Foreign Investments, Technology Transfers, and Joint Ventures for Mining industry in India.

The theme of 11th AMC is most appropriate "Innovative & Responsible Mining for Inclusive Growth".

Collaborative efforts of the Mining & allied industry, from the world over, is welcome in this important mega international Congress & Exhibition.

I wish the event a grand success.

Best Wishes!


(P. M. Prasad)



MESSAGE

Amarendu Prakash

Chairman, SAIL

India stands at the cusp of an industrial revolution, where the Metal & Mining sectors are playing a pivotal role in building a stronger, more resilient economy. As one of the world's fastest-growing economy, our Mining and Metal landscape is not only driving infrastructure and innovation but also setting benchmarks for sustainability, technology upgradation, and global collaborative initiatives.

I am happy to extend an invitation to all the industry stakeholders for participation in the International Mining and Metal Exhibitions alongwith high level Conferences.

This platform will be a unique confluence of the global Mining and Metal industries, bringing together policymakers, thought leaders, manufacturers, suppliers, researchers, and decision-makers from across continents. The exhibitions promise unmatched opportunities for networking, business partnerships, knowledge exchange, and showcasing the latest technologies that will shape the future of these sunshine industry sectors.

Together, let us forge partnerships, inspire innovation, and strengthen the backbone of industrial progress - Mining & Metals.

I wish this landmark Event all success as a Global Mining & Metal Forum.


(Amarendu Prakash)



MESSAGE

J.P. Dwivedi

President - MGMI
CMD, Western Coalfields

I am delighted that MGMI and TAFCON are organising 11th edition of International Mining Equipment and Minerals Exhibition concurrent to 11th Asian Mining Congress at Kolkata.

Today, digital technological advancements such as AI-driven operations, drone surveillance, have impregnated to all operational area and mining is no exception. It is must for maintaining precision, promoting safety and efficiency in business model.

Our initiative aims at promoting technological knowhow and exchange of ideas for shaping a better world for which we aim to bring the Global Mining Community under one roof to connect, explore and collaborate the galaxy of industry leaders, experts, academicians, equipment manufacturers, tech consultants and stakeholders, to meet for seamless flow of inputs towards shaping a better and sustainable mining environment.

I convey my best wishes for this event and sincerely believe that the Congress-cum-Exhibition will be huge success with larger participation.

Jai Hind.


(J.P. Dwivedi)

TAFCON - 60 Years of Expertise in Organising Global Events

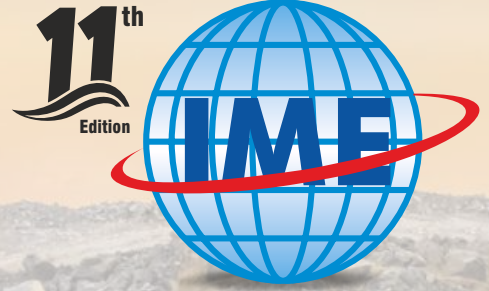


Exhibiting Profile

- Steel & Metal Manufacturers & Suppliers
- Ferrous and Non-Ferrous Metal Producers
- Induction Furnaces and Heat Treatment
- Advance Materials Furnaces
- Steel Forming
- Heat Exchangers, Radiators and Cooling Towers
- Refractories & Products
- Metal Working Cutting, Shaping, Bending & Welding
- Forging, Casting Equipment and Accessories
- Metallurgical Equipment
- Research & Development Institutes & Laboratories
- Foundry Engineering
- Foundry Machinery & Technology
- Filtration & Separation
- Rolling Mill Equipment
- Automation & Instrumentation
- Pumps, Valves & Compressors
- Bearings & Shafts
- Gears & Motors
- Pipes & Tubes
- Wire & Cables
- Design & Engineering
- Fire Fighting and Safety Equipment
- Locomotives, Lubricants & Greases
- Information Technology Providers
- Measuring, Testing and Controlling
- Shot Blasting and Shot Peening Equipment
- Machine Tools and Dies
- Process Automation Technology and Equipment
- Energy Efficiency & Conservation
- Materials Processing & Handling
- Pollution Control Equipment & Services
- Blast Furnaces
- Infrastructure
- Material Handling & Logistics
- Lead & Lead Batteries
- Surface Treatment & Corrosion Technology
- Importers & Exporters
- Wholesale Traders

Visitors Profile

- Defence & Aerospace Industry
- Automobile Industry
- Heavy Earth Moving Machinery Manufacturers
- Transportation Organisation
- Logistics, Shipping and Freight Companies
- Infrastructure Development Organizations
- IT Companies and Solutions Providers
- Scientific Organisations
- Government Officials & Policy Makers
- Electrical & Electronics
- Power Transmission and Distribution
- Shipbuilding Industry
- Construction Industry
- Coal, Mining & Minerals Industry
- Heat Treatment Industry
- Chemical Industry
- Material Science Community
- Metallurgists & Scientific Community
- R&D Professionals
- Equipment Buyers & Suppliers
- Project Developers
- Entrepreneurs
- Investors, MNC's, Industrialist and Traders
- Importers and Exporters
- Engineers and Professional
- Trade Delegations
- Research Scholars
- Chief Executives / Decision Makers
- Consultants
- Academicians
- Foreign Missions
- Industry Associations
- Bankers and Financial Institutions
- Legal and Management Consultants



MINING + METAL EVENTS : Unique Combination in the World

Exhibiting Profile

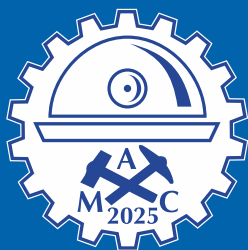
- Coal Producers
- Coal Beneficiation & Mineral Dressing Equipments
- Mining and Construction Machinery Manufacturers
- Pumps, Gears, Valves and Compressors
- Power Generation and Transmission
- Material Handling, Logistics and Communication
- Tyres Manufacturers
- Mineral Processing Plants and Equipments
- Lubricants, Greases and Oils
- Automation and Instrumentation
- Diesel Engines & Electrical Engines
- Motors and Generators
- Weighing and Monitoring Solutions
- Mineral Rich State Governments
- Robotics, AI & Unmanned Systems
- Other Minerals and Metals Producers
- Water Treatment Solutions
- Chemicals and Explosives
- Health, Safety & Security
- Components and Spare Parts
- Cement Manufacturers
- IT in Mine Planning & Surveying
- R&D Institutions, Consultants
- Importers and Exporters

Visitors Profile

- Coal Consumers / Producers
- Mining, Logistics, Shipping and Freight Companies
- Policy Makers
- Central and State Government's Senior Officials
- Equipment Buyers & Suppliers
- Fuel Suppliers
- Project Developers
- Entrepreneurs
- Investors, MNC's, Industrialist and Traders
- Importers and Exporters
- Engineers and Professional
- Trade Delegations
- Research Scholars
- Bankers and Financial Institutions
- Legal and Management Consultants
- Chief Executives / Decision Makers
- Consultants
- R&D Professionals
- Academicians
- Foreign Missions
- Industry Associations
- Infrastructure Development Organizations
- IT Companies and Solutions Providers

Participating Options (IME & ISME)

- **Built-Up Stall** (in Air Conditioned Halls)
Includes: Octonorm Wall Panels, Synthetic Carpet, Fascia in English, 1 Spotlight per 3 sqm., One 5 amp socket per 12 sqm., 1 Counter, 3 Chairs, 1 Glass Top Round Table, Basic Single Phase Electricity for stand lighting and basic daily usages.
- **Bare Space** (in Air Conditioned Halls)
Electricity Load to be ordered and Paid Extra
- **Outdoor Open Area**
(recommended for Heavy Machinery Display)
Electricity Load to be ordered and Paid Extra
- **Sponsorship Packages (including Stall)**
Please refer to Sponsorship Brochure for the same



11th Asian Mining Congress

October 30th & 31st, 2025

Hotel JW Marriot, Kolkata

Organised by



MGMI

Theme: Innovative & Responsible Mining for Inclusive Growth

Background

The Asia region is a significant producer of metal ores and minerals including coal - the production of some major metal commodities accounts for more than half of the world's total. This region is also the main producer and consumer of coal. However, increasing depth and complexities of mineral deposits, efficient processing and utilisation of coal, minerals and metals and value addition are major technical challenges. Combating the menace of climate change, implementing energy transition and living up to strong societal expectations are serious concerns.

Strangely, the mining activities remain enigmatic to the society, though mining footprints are omnipresent in most of our household items as well as in many technological breakthroughs. Thus, the Mining Sector in particular and the Mineral Sector at large have to be more responsible and responsive to make their contribution to nation-building more visible.



11th Asian Mining Congress

In this backdrop, it is very important for the stakeholders to brainstorm for working out the best practices that would recognise them as responsible entrepreneurs. Hence, the theme of the 11th AMC is kept as **"Innovative & Responsible Mining for Inclusive Growth"**. The Congress will provide a forum to promote and advance techno-scientific cooperation towards national and international progress in the areas of mineral production in addition to the development of new opportunities for sustainable business that will benefit both Asian and global mining communities.

Participation

The Congress aims at the global participation of practising engineers, managers, planners, policy makers, equipment manufacturers, technology consultants, engineering companies, regulators, scientists, academicians and other mining professionals to interact on various issues related to the Mining and Mineral Industries, especially in Asia. All major mineral-producing countries are expected to present country status papers.

Lead Topics / Sub-Themes

- Application of Advanced Geoscience in Mining and Mineral Sectors.
- Issues Related to Deep Opencast, Highwall, Offshore and Placer Mining.
- Planning for Transition from Opencast to Underground and Reopening of Underground Mines.
- Advancements in Deep Underground Mass Production Technologies.
- Mine Mechanization and Automation to Enhance Productivity and Safety.
- Suitable Policies and Methodologies for Exploration, Extraction and Utilisation of Critical, Strategic and Minor Minerals.
- Application of ICT in Exploration and Mining.
- Recent Advancements in Mineral and Coal Processing, Beneficiation and Extractive Metallurgy Including By-product Recovery and Value Addition.
- Innovations in the Oil and Gas Industry, Prospects of CBM, Shale Gas, Underground/Surface Coal Gasification, Gas Hydrate, Coal to Oil/Gas/Methanol / Hydrogen.
- The Pathways for Just Transition and Net Zero Emission in Coal and Related Sectors.
- Environmental and Safety Aspects in Mining Industries with special reference to Climate Change.
- Corporate Social Responsibility and Community Engagement.

For Congress & Delegate Registrations, Contact:



Mining, Geological & Metallurgical Institute of India
GN-38/4, Salt Lake, Sector-V, Kolkata-700091, INDIA
Tel: +91 33 4000 5168, +91 33 2357 3482
Email: office@mgmiindia.in / mgmsecretary@gmail.com
Web: www.mgmiindia.in / www.asianminingcongress.in

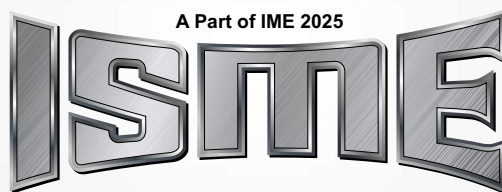
81%
BOOKED



11th International Mining, Equipment & Minerals Exhibition

Concurrent with 11th Asian Mining Congress

— CO-LOCATED WITH —



2nd International Metal Exhibition

Concurrent with International Metal Conference (IMC)

Partial List of Participants (IME+ISME) - 502 Exhibitors
(as on July 31, 2025)

Online Visitor Registration Now Open
Please Register your Visit:
www.miningexpoindia.com

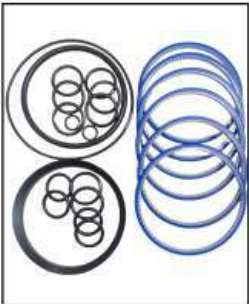
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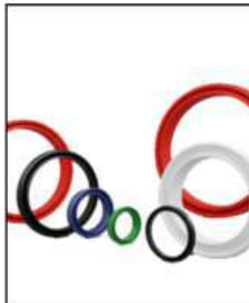


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- ABS INSTRUMENTS PRIVATE LIMITED
- Aereo
- AEROSCAN TECHNOLOGY
- African Mining Market
- AGARWAL EARTHMOVING SPARES COMPANY
- AIIFA Sustainable Steel Manufacturers' Association
- AIMIL LTD
- AKHAND HYPERMEC PVT. LTD.
- All India Association of Industries
- AMETEK INSTRUMENTS INDIA PVT. LTD.
- AMTECH ELASTOMERIC PRODUCTS LTD.
- ANAND SEALING SOLUTIONS PVT LTD
- Andritz Technologies Private Limited
- Apollo Engineering
- Applied Engineering Services
- AQUA MACHINERIES PRIVATE LIMITED
- Aquatech Pumping Solutions
- ARDEE HI-TECH PRIVATE LIMITED
- Arm & Hammer Forgings Private Limited
- ARUL POLYMERS PVT LTD
- Austmine Limited
- Austrade
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- Australian Trade and Investment Commission
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- BAUER Equipment
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- BTL EPC LIMITED
- Buildcon Media
- Carborundum Universal Limited
- Cavotec
- CBC INDIA
- CBS TECHNOLOGIES PVT LTD
- Ceat Tyres
- CENLUB INDUSTRIES LIMITED
- CereBulb
- CHAMPION SEALS INDIA PRIVATE LIMITED
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- China Pavilion by CMEC International Exhibition Co. Ltd. (about 30 Companies)
- CMEC International Exhibition Co. Ltd.
- Coal Expert and Solution
- COLETANCHE
- Construction Mirror
- Construction Technology Today
- Construction Times
- CONTINENTAL CONVEYORS PVT. LTD.
- Cosmo World
- COSMOS PUMPS PVT LTD
- CR Mining
- CRC INDIA MANUFACTURING & DISTRIBUTORS PVT. LTD.
- CTC IMPEX (INDIA) PVT. LTD.
- DALOG India Private Limited
- DANGO AND DIENENTHAL INDIA PVT LTD
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- Duztec Engineering Pvt. Ltd.
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- EPC&I
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- GAUTAM AND COMPANY
- GEBR. PFEIFFER (INDIA) PVT. LTD.
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- GLOBAL SLEEVE SOLUTIONS
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- GOSTOL TST INDIA PVT LTD

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- Haultrax
- Hazemag Allmineral India Pvt. Ltd.
- HEATFURN SYSTEMS
- HEWITTROBINS INTERNATIONAL PRIVATE LIMITED
- Hydropress Industries
- HYQUIP SYSTEMS LIMITED
- Hyva India Pvt. Ltd.
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- IFM Electronic India Private Limited
- IHC Mining
- IMCO ALLOYS PVT LTD
- Incident Zero
- Indcoil Transformers Pvt Ltd
- India Strategic
- Indian Rubber Materials Research Institute
- Indian Stainless Steel Development Association
- INDUSTRIAL SOLUTIONS
- Industry Outlook
- INNOTECH ENGINEERING
- INOSYTEK SOLUTIONS PVT LTD
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- Intermodal Solutions Group
- International Combustion
- INTERSTATE SUPPLY COMPANY
- Investment NSW
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- ISR Infomedia
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- Jayashree Electron Pvt. Ltd.
- Jindal Steel & Power Pvt. Ltd.
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- JMS Mining Pvt. Ltd.
- JOHN FINLAY INDIA PRIVATE LIMITED
- Jyoti Innovision Pvt. Ltd.
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- KATEEL ENGINEERING INDUSTRY PVT. LTD.
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- Librathern Instruments Pvt. Ltd.
- Liebherr India Pvt. Ltd.
- Locate365
- LUBERR PRIVATE LIMITED
- M/S RAJARAM JAISWAL
- M/s. R&D Multiples (Metal Cast) Private Limited
- M/s. Southern Electronics Bangalore Pvt. Ltd.
- MACO CORPORATION (INDIA) PRIVATE LIMITED
- MADHUS GARAGE EQUIPMENT PRIVATE LIMITED
- Maha Hydraulics Private Limited
- MAHAJAN CONVEYOR INDUSTRIES
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- Maintonia
- Malvern Panalytical
- MANAS MICROSYSTEMS PVT. LTD.
- MARSHAL HMB PVT. LTD.
- Martin Engineering
- MASYC PROJECTS PVT. LTD.
- MATO
- MEASUREDI TECHNOLOGIES PVT LTD
- MEATECH SOLUTIONS LLP
- MEGAPLAST INDIA PVT. LTD.
- Merit BMH Engineering Pvt Ltd
- Metal Spain
- Millenia Technologies (I) Pvt Ltd
- MINE LINE PVT. LTD.
- Mineexcellence
- Mineral Technologies
- Minerals & Metals Review
- MINING INDIA AND COALEXPRT & SOLUTION
- Ministry of Energy of the Russian Federation
- Ministry of Industry and Trade Russia
- Mipalloy Nomura Plating Company LLP
- MP FILTRI INDIA PRIVATE LIMITED
- MRA automation
- NANDA MILLAR CO.
- National Engineering Ind. Ltd. (NBC Bearings)
- Nautitech
- NEW SWAN AUTOCOMP PVT. LTD.
- Newage Fire Protection Industries Pvt. Ltd.
- Newton Weighing System Pvt Ltd
- NextOre
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- Ore & Metals
- Oricon Metallurgicals Private Limited
- PARCOMM HYDRAULICS PRIVATE LIMITED
- PHOENIX CONTACT INDIA PVT. LTD.
- Phoenix Underground

Partial List of Participants (IME+ISME) - 502 Exhibitors as on July 31, 2025

- Plant & Equipment
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- PPK Mining
- PR CRANE AND EARTHMOVERS
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- PRD Rigs India Pvt Ltd
- Prescient Technologies Pvt. Ltd.
- PRIMA EQUIPMENT
- Promac Engineering Industries Ltd
- PSPN AUTOMATION
- Px4
- Rajmani Castings Pvt. Ltd.
- RAMANA MACHINES
- Reactore
- RETRACK AUTOMATION PRIVATE LIMITED
- REVA CRANES
- RIMCO
- Ringfeder Power Transmission India Pvt. Ltd.
- Ringspann Power Transmission India Pvt. Ltd.
- RME Bloal
- Rocscience Inc
- ROYALEO FUTURISTICS
- Rubber King Tyre Private Limited
- Russian Pavilion by Ministry of Industry and Trade Russia (30 companies)
- SACHIN INDUSTRIES LIMITED
- SAFE ENGINEERING
- SAHYADRI ENGINEERING
- Saksham Casting
- Satwik Metals Private Limited
- SCH HYDRAULICS PRIVATE LIMITED
- SCT Operations
- Seashell Logistics Pvt Ltd
- SHANTHI GEARS LIMITED
- Sheetal Wireless Technologies Private Limited
- SHIV SHAKTI FIBRE UDYOG (ROOFFIT)
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- SORR India
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- SPECIAL STEEL INDUSTRIES
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- SPICON
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- TECHFLOW ENTERPRISES PRIVATE LIMITED
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- ZKL BEARINGS (INDIA) PVT. LTD.
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MASCOT® Drives

Maha Hydraulics is a leading engineering company specializing in multi-cam type Low Speed High Torque (LSHT) hydraulic motors and complete hydraulic drive systems for heavy-duty industrial applications. Our products—marketed under the **MASCOT DRIVES®** brand—are entirely designed and manufactured at our state-of-the-art manufacturing facility in Chennai, India. Our drives range from 3 to 200 litres/rev and are equipped with top-class PLC-based intelligent monitoring and feedback systems, ensuring very high degree of reliability and efficiency. Additionally, we specialize in designing and manufacturing custom-built drives tailored to meet specific customer requirements.

Maha Hydraulics offer a comprehensive value proposition to its esteemed clients:

Superior Design: Robust hydraulic motors and brakes that ensure exceptional performance, flexibility, and maintainability.

Shorter Delivery Timelines: With 60% of components in stock, we deliver motors within 6-8 weeks for faster project execution.

Lifelong Service Support: Our extensive service network offers complete support for troubleshooting, repairs, and replacements throughout the product lifecycle.

Competitive Costs: High-quality, performance-driven solutions at cost-efficient prices.

APPLICATIONS

POWER

Belt Conveyor, Stacker Reclaimer, Paddle Feeder, Roll Sizer, Apron Feeder, Wagon Tipplers, Bottom Ash Conveyor

PORTS & SHIPYARDS

Belt Conveyor, Stacker Reclaimer, Apron Feeder, Wagon Tipplers, Dredger, Marine Winches

CEMENT

Belt Conveyor, Stacker Reclaimer, Roll Sizer, Apron Feeder, Wagon Tipplers, Scraper Chain Conveyor, Cooler, Rotary Kiln, Ball Mill, HPGR

PAPER

Pulp Wash Press, Digester, Calender

COAL & LIGNITE

Belt Conveyor, Stacker Reclaimer, Paddle Feeder, Feeder Breaker, Roll Sizer, Apron Feeder, Wagon Tipplers, Bucket Wheel Excavator, Mobile Transfer Conveyor

IRON ORE & BAUXITE

Belt Conveyor, Stacker Reclaimer, Roll Sizer, Apron Feeder, Wagon Tipplers, Scraper Chain Conveyor

STEEL

Belt Conveyor, Stacker Reclaimer, Paddle Feeder, Roll Sizer, Apron Feeder, Wagon Tipplers, Scraper Chain Conveyor, Spiral Welding, Dewatering Wheel, Rotary Kiln, Rolling Mill

WASHERY & SMELTER

Belt Conveyor, Apron Feeder, Rotary Kiln, Thickener, Ball Mill, HPGR

RECYCLING

Belt Conveyor, Apron Feeder, Pre-Shredder, Shredder, Shears, Balers

PLASTICS

Moulding Machine

RUBBER

Calender, Mixer

SUGAR

Cane Conveyor, Cane Mill



STACKER
RECLAIMER



STACKER
RECLAIMER



WAGON
TIPLER



SIDE ARM
CHARGER



APRON FEEDER



BELT
CONVEYOR



PADDLE FEEDER



TWIN SHAFT
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SUCTION
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CHAIN
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PULP WASH
PRESS



DEWATERING
WHEEL



MAHA HYDRAULICS PRIVATE LIMITED
Manufacturers of **MASCOT DRIVES**

Phone: +91 9500121705
Website: www.mahahydraulics.com
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



MegaLiners®

Built to protect, Engineered to perform!

Megaplast Geomembranes are engineered to protect your mining infrastructure — from tailing ponds to heap leach pads — ensuring zero leakage & maximum containment.

Benefits of Megaplast Geomembranes

 8m width for easy installation & maintenance	 Excellent chemical resistance	 Superior anti-seepage performance	 High tensile strength & puncture resistance
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Your Trusted Partner For Geomembranes!

Product and Company Profiles of Select Exhibitors

■ AARNESH AIR PRODUCTS PVT. LTD.

We at Aarnesh Air Products Pvt. Ltd. works as a reliable source for advanced Anti-Vibration Technology solutions in India.



At Aarnesh, we pride ourselves on our collaborative approach. We take the time to thoroughly understand your specific engineering challenges, which allows us to provide the most effective solutions in Vibration and Motion Control Technology for your applications.

We are also proud to be the authorized channel partners and distributors in India for several leading global companies, including:

- ContiTech, Germany: Air Springs
- AB Pneumatics, Ireland: Donut/Rubber Springs & Rubber Sleeves
- Tecnidea-Cidue, Italy: Oscillation Elements, Motor Bases, Belt/Chain Tensioners, Conveyor Components, & Bearing Supports.
- AMC, Spain: Anti-Vibration Mounts, Spring Mounts, Spring Hangers, and Rubber Products.
- We also supply Expansion Joints: Make-Trelleborg-Izzara.

Furthermore, we specialize in customizing products to your unique requirements through Dynamic Control Analysis and Vibration Isolation Technology, ensuring the highest levels of performance and reliability.

We look forward to the opportunity to discuss your specific needs and assist you in near future.



Donut Spring used in Vibrating Screen Machines



Tensioner Used in Belt Scrapers



Oscillating Mounts Used in Vibrating Screen



Motor Base used in Belt Drives to Maintain Optimal Belt Tension



Air Bellow used in Continuous Casting Machine



Expansion Joint used in Slurry pipeline

www.aarneshairproduct.com

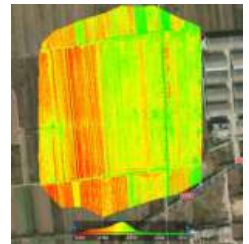
■ AEROSCAN TECHNOLOGY LLP

Aeroscan Technology, based in Kolkata, is redefining Drone-as-a-Service and GIS solutions across industries like mining, construction, urban planning, forestry, agriculture, security, and more. With state-of-the-art drone technology, we deliver advanced data-driven insights through 2D and 3D outputs such as orthomosaics, DTMs, DEMs, 3D models, and volumetric analyses. Our Defence Division focuses on cutting-edge solutions for military operations, supported by strategic partnerships with leading OEMs. We provide innovative products, including drones, anti-drone systems, smart fencing, and medical solutions like haemostatic dressing. Our collaboration with SKY LIGHT SHOWS opens new possibilities in drone entertainment, advertising, and innovation. Aeroscan Technology's mission is to empower industries and defence with seamless and efficient services, driving informed decision-making, enhanced safety, and operational excellence. Tailored solutions ensure flexibility to meet unique client requirements, transforming the way industries leverage drone and GIS technologies.



AGRICULTURE

Drones and geospatial technology are transforming agriculture, enabling precision farming practices that enhance productivity, optimize resource utilization, and reduce costs. At Aeroscan Technology, we combine cutting-edge drone capabilities with Artificial Intelligence (AI) to deliver smarter, more efficient agricultural solutions.



MINING

Drones have revolutionized the mining industry, offering unparalleled efficiency, accuracy, and safety. At Aeroscan Technology, we leverage advanced drone technology to deliver cutting-edge solutions tailored to the unique needs of mining operations.



UTILITIES SOLUTIONS

Utilities are the backbone of modern infrastructure, powering homes, industries, and economies. At Aeroscan Technology, we leverage drones and geospatial tools to provide comprehensive solutions for transmission lines, energy networks, and utilities infrastructure. From inspections to thermal analysis, our technology ensures safety, reliability, and efficiency while reducing downtime and costs.



SECURITY AND SURVEILLANCE

Aeroscan Technology provides advanced security and surveillance solutions designed to enhance situational awareness and improve the safety of critical assets. Leveraging cutting-edge drone technology and our partnerships with leading companies in the defence and security space, we deliver robust and reliable on-demand surveillance for diverse applications.



HIGHWAYS & RAILWAYS SOLUTIONS

Drones are transforming the highways and railways industries in India by offering innovative, cost-effective, and efficient solutions for monitoring, maintenance, construction, and safety. Aeroscan Technology delivers tailored drone-based services to meet the specific challenges faced by these sectors, ensuring improved project management and operational efficiency.



SURVEY AND MAPPING

At Aeroscan Technology, we specialize in providing comprehensive surveying, mapping, and GIS solutions tailored to a wide range of industries. By utilizing advanced sensors, cutting-edge geospatial tools, and state-of-the-art methodologies, we help clients capture and analyze data with unmatched accuracy and efficiency.



FORESTRY MAPPING

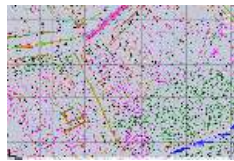
Drones are revolutionizing forestry management by providing a fast, cost-effective, and highly accurate way to monitor, manage, and conserve forests. Aeroscan Technology offers a wide range of drone services for the forestry industry, enabling professionals to gather detailed data, analyze trends, and make informed decisions to protect and enhance forest ecosystems.



By utilizing advanced sensors, drones offer real-time data collection, providing forestry experts with the tools needed to efficiently manage and monitor forests, track biodiversity, and ensure sustainable practices.

URBAN PLANNING

India's urban and rural landscapes are undergoing rapid transformation, and drone technology is playing an increasingly important role in shaping the future of infrastructure and development. Aeroscan Technology's drone services help address the unique challenges faced in both urban and rural development, enabling precise planning, efficient construction, and comprehensive monitoring.



By leveraging advanced aerial imagery, LiDAR, GIS, and AI-driven analytics, we provide valuable insights for planning, construction, maintenance, and monitoring of critical infrastructure.

www.aeroscantechnology.com

AGARWAL EARTHMOVING SPARES COMPANY

Agarwal Earthmoving Spares Co. is a trusted name in construction and heavy machinery spares, with over 50 years of experience. As an exclusive distributor for multiple reputable brands, we deliver a comprehensive range of high-quality spare parts across India.



Our parts are sourced from dependable suppliers across the USA, Italy, Singapore, the UK, Korea, Japan, and China. Our extensive inventory includes components for excavators, motor graders, wheel loaders, bulldozers, dumpers, DG generators, etc. We provide parts compatible with leading brands such as Komatsu, Hitachi, Volvo, Doosan, Caterpillar, etc.

Our company specializes in spare parts for a wide range of machinery, guided by our core values of 'Sincerity & Quality Priority'. With this commitment, we proudly serve clients across India. As a trusted provider, we offer an exclusive selection of high-quality spare parts compatible with globally recognized and reputable brands, ensuring reliable solutions for our customers' diverse needs.

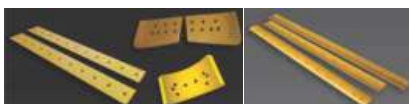
UNDERCARRIAGE COMPONENTS

We provide track chains, shoe plates, rollers, idlers, sprockets, and bolts for Komatsu, Caterpillar, Hitachi, and Volvo. Built for strength and longevity, these parts ensure smooth movement and stability in rugged terrains.



CUTTING EDGE AND END BIT

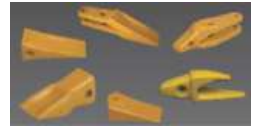
Our bulldozer and grader end bits and cutting edges offer precision fit and wear resistance, enhancing equipment efficiency.



Engineered for maximum impact absorption, they extend blade life and reduce maintenance costs.

TOOTH POINTS & ADAPTERS

Designed for maximum penetration and durability, our bucket teeth and adaptors improve excavation efficiency while reducing fuel consumption. Their reinforced design ensures long-lasting performance in abrasive conditions.



TRANSMISSION & FINAL DRIVE PARTS

We offer gears, shafts, torque converters, and bearings that ensure seamless power transfer and machine reliability under heavy loads. Built with high-strength alloys, they resist wear and extend service life.



ENGINE PARTS

Our inventory includes pistons, liners, rings, gaskets, crankshafts, camshafts, and injectors, all designed for fuel efficiency and lasting performance in extreme conditions. With precise engineering, they optimize combustion and enhance engine longevity. Each product is crafted for demanding applications, ensuring high performance, reduced downtime, and cost efficiency.



AIMIL LTD.

Aimil Ltd. is a leading ISO 9001: 2015 certified Company having an All-India network of 16 offices, staffed and managed by over 1000+ professionals as a market leader we provide our customer with world renowned technology from our principal/partners.



Today, Aimil is a multifunction, multi service organisation in the instrumentation industry.

Aimil has built its presence in the Instrumentation domain in the Indian market.

Our Product Range includes:

Static Tension and/or Compression Materials Testing Machines, Equipments and Consumables for Materialographic, Sample Preparation for Micro Structure Analysis, Universal Testing Equipment for Dynamic & Fatigue Testing Machines, etc.

We also offer consultancy in the fields of Civil Engineering, Noise, Vibration & Engineering Services.

XMATIC

Xmatic is a fully automated, end-to-end Materialographic grinding and polishing solution.

It has been designed for labs that need the very best in terms of reproducibility, throughput, process standardization, operator safety and ease-of-use.

AXITOM-5/400 is ideal for fully automatic, high volume Materialographic Sectioning in even the roughest environments.

A very large cutting chamber, automatic tables, and movement in X, Y, and Z directions allows for positioning, clamping, and sectioning of both large, complex, and irregular workpieces.

Automatic serial cutting reduces clamping, sectioning, and operator time.

Advanced cutting modes ensure the perfect cut every time.

CITOPRESS-30 is an advanced & programmable dual cylinder Materialographic mounting press that offers total process control, database



facilities, and synchronous or independent operation of both cylinders.

Fastest hot mounting solution: 3.5 minutes with CitoFast resin. Thousands of installations worldwide prove durability under heavy loads.

Automatic dosing system for safer resin filling & less spillage.

On-screen application guide ensures high-quality mounts.

DURAVISTA-40

Semi- to full-automatic Micro/Marco hardness tester with Vickers and Knoop capabilities. Suited for small to medium sized samples in lab use. Available with a motorized XY-stage for Brinell indent patterning.

Load range: 1 - 62.5 kgf

Automation: Automatic test cycle, Integrated indent evaluation, Patterning ability.

STRUCTURE EXPERT WELD

Structure Expert Weld is the only stand-alone dedicated imaging tool designed for efficient and accurate weld bead control. Unique inverted optical system, automatic lighting, focus, and calibration eliminate time-consuming manual processes and measurement errors. Now, the weld inspection processes can be improved, thus saving time, money, and resources.

LECTROPOL-5

The LectorPol-5 is designed for automated electrolytic polishing and etching of metallographic specimens. A scanning function for easy determination of process parameters, built-in safety features, and a database with methods for various materials enables short polishing times and maximum reproducibility.

www.aimil.com



AKHAND HYPERMEC PVT. LTD.

Akhand Hypermec Pvt. Ltd. Is a company incorporated in 2005 with the sole purpose of provide solution to Mining & Infrastructure Clients. The company is by a formidable team led by Mr. Abhishek Jain who has been a part of the industry since 2005. We currently have bases in Delhi, Bhubaneshwar, Rishikesh and Pune.

Currently the company is manufacturing / Supplying Rock Drilling, Breaking & Stabilization tools under the "Assault Brand". Products include Button Bit, Drifter Rod, Extension Rod, MF Rod, Shank Adapter, Coupling Sleeve, Taper Rod, Taper Bit, Drill Tube, Integral Drill Steel, Drill Rod, Self Drilling Anchors, Pipe Roofing Accessories, DTH Hammer, DTH Bits, Lubricator, Pusherleg, Pneumatic Drifter, Pipe Roofing and Pneumatic Moil Point & Chisels.

Company has also recently introduced a new product call Lithium-ion Lighting tower which can be used as a mobile power source at multiple infrastructure and mining sites. It derives power from Lithium-ion battering hence are light weight, easily portable and compact in design. They have very low running costs and no operational sound.

Button Bits / Cross Bits / Threaded Bits are made for All threads (R25, R32, R38, T38, T45, T51 with Diameters Ranging from 33mm to 152m in multiple face and skirt designs.

Shank Adapters are made for various applications from standard to Long Hole Drilling to Customized ones compatible with all popular drifter models with



threads ranging from R25 to T51.

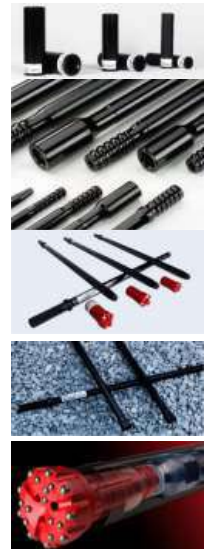
Coupling are available in multiple designs like Coupling Sleeve, Cross Over Coupling and Adapter Coupling from R22 to T76.

Drifter Rod / MF Rod / Extension Rod are available from R25 to T51 size with lengths varying from 255m to 7220mm.

Taper Rods & Bits are made for Rock Drills with H22 X 108mm shank with Length 400mm to 7200mm and are compatible with Taper bits from 30mm to 41mm of 7-12 Degree.

Integral Drill steel / Drill Rod are made for Rock Drills with H22 X 108mm Shank with lengths from 400mm to 7200mm in for Diameter ranging from 26mm to 41mm. The same can also be made for custom length as per client requirement.

DTH Hammer & DTH Bits are available with 2-6" Hammers and Bits Dia from 76mm to 165mm in all popular designs



www.1akhand.com

AMETEK INSTRUMENTS INDIA PVT. LTD.

SPECTRO, a business unit of AMETEK Inc., manufactures advanced instruments and develops the best solutions for elemental analysis in a broad range of applications



Elemental analysis is continuing to develop at a fast pace worldwide with the need for ultimate precision, complex system requirements, and expanding fields of applications for even routine operations. SPECTRO leads the progress advancements in this field by providing new solutions and continuous innovations.

Founded in 1979 as a 3-man-enterprise, SPECTRO today has 600 employees around the world and is listed as the clear market leader for metal analyzers. In addition, growth in the sales of ICP and XRF spectrometers has continued to exceed industry averages.

Since our inception, over 50,000 instruments have been delivered globally. These include handheld spectrometers for applications such as metal recycling to fully automatic sample preparation and analysis systems for the process control in a variety of industries covering difficult applications. Our customer list covers the spectrum from small to large international companies in many different industries. SPECTRO is proud to be a vital partner in providing quality products to improve both safety and offer superior analytical analysis to our customers.

SPECTRO's benchtop EDXRF model XEPOS spectrometer represents an analytical performance in a class by itself in energy dispersive X-ray fluorescence technology. It provides breakthrough advances in multi-elemental analysis of major, minor, and trace element concentrations for at-line processing in a variety of industries, for geology and mining, for environmental and waste monitoring, and for research and academia.



SPECTRO handheld EDXRF Spectrometer model xSort, ideal for the analysis of ores, concentrates, and tailings, for environmental screening, compliance testing and quick screening of metallic and non-metallic samples

Designed for all-day single hand use: Balanced, size-optimized, comfortable, easy-read display; quick action software: powered by Android, designed for touch operation, quick access to all functions



Everywhere data & documentation: GPS for the where, cameras for the what, Wi-Fi, Bluetooth, USB and microSD to document and transmit results. Lab-on-the-go: from handheld to a mini-lab system when connected to the docking station with sample chamber.

SPECTRO ICP-OES model GENESIS DSOI with Dual Side-On Interface with up to factor 2 improved sensitivity: no second measurement, reduced matrix effects, improved accuracy, high matrix tolerance.



- High measurement speed: Fast, simultaneous spectrum acquisition enabling short sample to sample time and the analysis of up to 700 samples per day.
- Low operating costs: minimal 0.5 l/min optic purge, no water chiller necessary.
- No water chiller or air compressor.
- Ideal for oil conditioning monitoring and ferro alloys measurement.

www.spectro.com



ANAND SEALING SOLUTIONS PVT. LTD.

Anand Sealing Solutions Pvt Ltd. is a Total Sealing Solutions provider, Established in 2004.



Anand Seals has been at the cutting edge of fluid power technology. As a provider of hydraulic and pneumatic seals, we work with major international brands that are renowned for their commitments to engineering excellence. Our sealing solutions for the fluid power and automotive industries are built with a wide range of materials which include Polyurethane (AU), Nitrile Rubbers (NBR), Poly Tetra Fluoro Ethylene (PTFE), Fluoroelastomer (FKM) and Hydrogenated Nitrile Butadiene Rubber (HNBR). Anand Seals never compromised & we think that quality in a service or product is not what you put into it. It is what the customer gets out of it.



FOR Hydraulic Devices Including Cylinder Seal Kit | Control Valve Kits | Motors Kits | Center Joint Kit | Pump Kits | PIPE LINE O-RING KIT |

Construction Equipment For Hydraulic Devices Including Cylinder Seal Kits | Control Valves Kits | Motors Kits | Center Joint Kit | Pump Kits | Track Adjuster Kit | Rock Breaker Seal Kits | Pipe Line O-Ring Boxes & Pilot ValvesEtc. | Manufacturing | Sugar | Cement | Steel | Chemical | Food |



CYL SEAL KIT



HYDRAULIC & PNEUMATIC SEALS



OIL SEALS



ALL ROCK BREAKER KITS

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ANDRITZ TECHNOLOGIES PVT. LTD.



ANDRITZ Separation provides mechanical and thermal solid/liquid separation technologies, complemented by comprehensive services, automation and digitalization solutions for iron-ore concentrate & tailings, coal, aluminum, copper and non-ferrous metals. Technologies and process knowledge to:

- Guarantee efficient separation.
- Increase dewatering throughput while preserving product quality.
- Drying with the lowest possible energy consumption.
- Safely handle tailings.
- Automate and monitor remote facilities.

SIDE BAR FILTER PRESS

Benefits and Features

- The Andritz side bar filter presses ME Range is designed for heavy duty applications and is characterized by its capacity for Maximum throughput thanks to its fastest discharge system.
- The ME filter press range is the ideal equipment when fast processing of tailings or concentrate products is required.



Ranges:

- ME2000 & ME2500, ME4.2500: Iron-ore concentrate and tailings (75TPH – 200 TPH per machine)

DECANTER CENTRIFUGE – A

Benefits and Features

- Optimized wear protection for abrasive media.
- Decanters for coarse coal – middlings - fine coal, tailing dewatering.

Application Range of Decanter

- Solids rate: 0.5 – 50+ TPH
- Feed rate: 0.2 to 250 m3/h
- Particle size: 1 micron – 5mm
- Solids recovery: 98% - 99%



HORIZONTAL VACUUM BELT FILTER

Benefits and Features

- High filtration rates
- Flexibility of operation
- Excellent washing efficiency
- Drier filter cake



Application

- Dewatering / washing applications
- Gold and silver recovery in cyanide processes
- Washing of phosphate rock
- Recovery of manganese
- Copper cement
- Tailings washing as final stage after CCD

HEAVY DUTY BELT PRESS (CPF-Q)

Benefits and Features

- Highest throughputs of up to 15t/h PER METER working width (60TPH)
- Lowest required residual moisture of final product (Cake Moisture 35%)
- Distribution device ensures uniform distribution of solids over the entire working width
- Reliable non-stop operation and highest availability
- Flexible operating parameters (belt speed & tension, filtration pressures)
- Modular design, small footprint, and easy to access and maintain



www.andritz.com

APPLIED ENGINEERING SERVICES

We introduce ourselves as the authorized distributors for Lifting Equipment, Safety and Material handling, premium hand tools, Bearing Management Tools, Coils & Induction Heaters. Our operations span Pan - India and we have well established stock and inventory of all products.



Established in February 1992, Applied Engineering Services has spent nearly two decades in the Industry offering very high-quality products and services, the endeavor is to offer the best brand of Products for the right application and offer the highest quality of after sales service.

We are innovative in our approach, committed in our tasks, knowledgeable in our products and exhibit our technical skills and abilities to measure up to the demands and expectations of our customers. We aim to command customer respect with our high levels of customer service and professionalism and be able to contribute to our customer's growth as partners in progress.

We represent some of the following Companies:

Enerpac: High Pressure Hydraulic Cylinders, Pumps, Hydraulic and Pneumatic Torque Wrenches and other maintenance products.

Gedore: High quality Tools and Tackles, Workshop equipment's, DIN Standard Products, Manual and Battery-Operated Torque Wrenches.

Powerram: Self-Centering Manual Pullers, Hydraulic Pullers up-to 100 Ton.

ENERPAC HYDRAULIC TOOLS

Cylinder Capacity 5 ton to 1000Ton, Pump, accessories



Use: Industrial Tools, Lifting Products

ENERPAC HYDRAULIC TORQUE WRENCH, MULTIPLIER, PNEUMATIC TORQUE WRENCH

1952 – 35.455 Nm



Use: Bolt Tightening & Loosing

GEDORE ELECTRIC TORQUE WRENCH

LDE, LEW series 90 – 13.000 Nm

Crane and steel construction version



GEDORE CORDLESS TORQUE WRENCH

LDA, LAW series 90 – 6.000 Nm

Use: Bolt Tightening & Loosing



GEDORE HAND TOOLS, MANUAL TORQUE WRENCH

The range from workshop equipment to hand tools

SIT couplings that include torsionally rigid couplings, flexible couplings, zero backlash couplings, toothed couplings, couplings with shaft, bellows and disc couplings or to the client's own design.

SIT-LOCK® units are suitable to connect any type of hub (flywheels, pulleys, chain wheels, gears, levers, eccentrics, couplings, etc.) and can be utilized in a varied range of industrial applications.



SERTO system, we create smart tube connections that save time and money and can be easily installed even in the tightest spaces. Whether with tube elements, valves, hoses or accessories – we provide solutions for all industries and applications where liquids and gases are transported, distributed or regulated.



EGA MASTER ANTI DROP SAFETY-SLOGGING WRENCH ANTI DROP TOOLS WITH HEAT SHRINK SYSTEM



Use: heavy duty hammering for tightening and undoing nuts and bolts.

EGA MASTER ANTI DROP HAMMER

Use: breaking through concrete, grooving and squaring and other aggregate materials



EGA MASTER SAFETY BELT

The heat shrink system creates a secure grip around the tool, reducing the risk of slipping and falls compared to alternative methods like knot-based systems



www.appliedengg.in

AQUA MACHINERIES PVT. LTD.

AQUA is a pioneering force and market leader in the design and manufacture of energy-efficient dry motor submerged pump sets. Our solutions are tailored for critical applications across diverse sectors, including:



- Water intake, transfer, and distribution
- Storm water disposal and drainage
- Sewage management
- Cooling water circulation
- Firefighting systems
- Slurry handling and dredging

From Power stations and mining operations to tunnel infrastructure, our pump sets deliver unmatched reliability and performance.

Global Footprint:

With thousands of pumps operational across India, Southeast Asia, and Africa, AQUA isn't just delivering products-we're offering engineered solutions that redefine water management.

Product Innovation:

Our robust AMS Series pump sets embody decades of design experience and technical ingenuity:

- Flexible configuration for varied applications
- Smart capabilities for modern industrial environments
- Low maintenance for high productivity, especially in demanding mine dewatering tasks

Technical Capacity:

- Up to 450 kW (380/550/440 V) and 2500 kW (3.3/6.6/11 kV)
- Flow capacity up to 90,000 iGPM
- Head rating up to 450 meters
- Configured for bottom resting or floating pontoon setups in open-cast mines.

In-Field Excellence:

Our pump sets are actively deployed in key Mines sites:

Location	Specification
SCCL - Ramagundam OCP, Telengana	1000 iGPM × 300 m × 3.3 kV × 550 HP
WCL - Chhinda OCP, Madhya Pradesh	1850 iGPM × 150 m × 3.3 kV × 475 HP
WCL - Kamptee OCP, Maharashtra	2500 iGPM × 260 m × 3.3 kV × 1000 HP
SECL - Dipka OCP, Chhattisgarh	2350 iGPM × 200 m × 6.6 kV × 800 HP
ECL - Searsole OCP, West Bengal	1000 iGPM × 120 m × 3.3 kV × 275 HP
Tata Steel - Sukinda Chromite Mines, Odisha	2200 iGPM × 145 m × 3.3 kV × 475 HP

AMS2S Series

Horizontal, Mono Shaft; Mine Dewatering (Two Stage; Single Suction Opposed Impellers) Submerged Pumpsets.

Specifications:

- Flow- ≥ 270 IGPM to 5500 IGPM ≤
- Head- upto 275 Meter
- DN size- 100mm (4") to 350 mm (14")
- Motor Capacity- upto 1000 kW
- Motor – IS 60034 Complaint, Dry air filled, totally enclosed (IP68) Self water cooled (TESWC IC- 4A1W1) Squirrel Cage Induction type.
- Insulation Class – Class F (&/or H)
- Voltages: 3 Phases, 415V/550V/3.3KV/ 6.6KV, 50Hz/60Hz, 1500 RPM/3000 RPM (synchronous).



- Continuously Rated S1 Duty.
- Installation Type - WET.
- Application – Mine Dewatering.
- Suitable for – Raw/ Silty /Gritty Water.

AMSDS Series

Horizontal, Mono Shaft; Mine Dewatering (Double Suction) Submerged Pumpsets.

Specifications:

- Flow- ≥ 430 IGPM to 5800 IGPM \leq
- Head- upto 135 Meter
- DN size- 100 mm (4") to 250 mm (10").
- Motor Capacity- upto 400 kW
- Motor - IS 60034 Complaint, Dry air filled, totally enclosed (IP68) Self water cooled (TESWC IC- 4A1W1) Squirrel Cage Induction type.
- Insulation Class - Class F (&/or H)
- Voltages: 3 Phases, 415V/550V/3.3KV/ 6.6KV, 50Hz/60Hz, 1500 RPM/3000 RPM (synchronous).
- Continuously Rated S1 Duty.
- Installation Type - WET.
- Application - Mine Dewatering.
- Suitable for - Raw/ Silty Water.



AMSSO Series

Horizontal, Mono Shaft; Mine Dewatering (Multistage, Single Suction Opposed Impellers) Submerged Pumpsets.

Specifications:

- Flow- ≥ 275 IGPM to 3250 IGPM \leq
- Head- upto 450 Meter
- DN size - 100 mm (4") to 250 mm (10")
- Motor Capacity- upto 1250 kW
- Motor - IS 60034 Complaint, Dry air filled, totally enclosed (IP68) Self water cooled (TESWC IC- 4A1W1) Squirrel Cage Induction type.
- Insulation Class - Class F (&/or H)
- Voltages: 3 Phases, 415V/550V/3.3KV/ 6.6KV, 50Hz/60Hz, 1500 RPM/3000 RPM (synchronous).
- Continuously Rated S1 Duty.
- Installation Type - WET.
- Application – Mine Dewatering.
- Suitable for – Raw/ Silty /Gritty Water.



PBS Series

Multi Stage borehole Submersible Pumpset

Specifications:

- Flow- ≥ 150 IGPM to 4500 IGPM \leq .
- Head- upto 450 mtrs.
- DN size- 100mm (4") to 400 mm (16").
- Motor Capacity- upto 1250 kW.
- Bore Hole Dia.- V-8" to V-28".
- Motor - Totally Enclosed Squirrel Cage, Wet type, Water Cooled, Water filled Submersible Motor with IP 68 Protection.
- Class 'Y' Insulation.
- Voltages: 3 Phases, 415V/550V/3.3KV/ 6.6KV, 50Hz/60Hz, 1500 RPM/3000 RPM (synchronous).
- Continuously Rated S1 Duty.
- Installation Type - WET.
- Application
 - Dewatering in Under Ground Coal / Lignite mines.
 - Sea Water, Chemical Industries
 - Agriculture
 - Industrial & municipal water supply



Suitable for - Clean/Raw Water.

ARDEE HI-TECH PVT. LTD.



ARDEE HI-TECH is a leading innovator in the field of coal dry beneficiation with a number of global firsts to its credit. The Visakhapatnam based company specialized in R&D, has design and engineering capabilities for coal dry beneficiation plants. Ardee has developed number of technologies including RAMDARS (Radiometric Detection and Automatic Removals of Stones and Shale), ArdeeSort (DE-XRT Coal dry beneficiation), ARCAM (Dual Gamma On-Line Coal Ash Analyser), ARCAM-XRT (based on DE-XRT) On-Line Coal Ash Analyser and AAKSS (Ardee Air Knife Stone Separator).

AAKSS, is the latest from the Ardee stable which offers highly efficient and with lowest capex and opex for dry beneficiating raw coal into two or three products. This technology can be used as a composite solution or as a pre-processing technology to dramatically improve washery performance. The added advantage of Ardee's technologies is no water is used in process and no moisture added to clean coal.

ARDEESORT uses the principle of differential X-Ray attenuation for low and high energy to generate mass compensated coal ash information for each particle after discharge from a feeder. The dual X-Ray scan sensor system identifies if the material passing in the trajectory is rock, coal or shale. Based on a cut-off point for separation, the system is designed to eject high ash particles in sizes ranging from 6 mm to 100mm. The USP of this technology is it is highly accurate, compact, uses no water and can be programmed for any type of coal or lignite.



ARCAM-XRT on-line ash measurement system determines ash content of coal by combining measurement of attenuation of high and low energy X-Rays. The detector converts the attenuated signals into mass and mass-compensated ash%. The computer software collates these measurements to generate instant and periodic ash and weight of coal. DE-XRT technology is safe, does not need AERB import clearance and very little hassle in disposal after end of life. The technology is already commercialised.



ACWA – Ardee Coal Washability Analyser, is another global first from in-house R&D efforts of Ardee. The technology consists of X-Ray DE-XRT sensors evaluating coal samples to determine their washability characteristics. The project jointly undertaken by CSIR-CIMFR, Dhanbad and funded by Ministry of Coal was successfully completed and is ready for commercial application. This technology shrinks time and costs of getting washability characteristics from a few weeks to a few seconds.



AAKSS (Ardee Air Knife Stone Separator) is the latest disruptive technology from Ardee. Sized coal is discharged from a feeder. In the falling trajectory, the particles are subjected to a high velocity fan air stream in the falling trajectory which lifts and thrusts the particle forward. The extent of lift and thrust are influenced by the density of the particle. Light particles get lifted and thrust further away while heavier particles are deposited closer to the nozzle.



Using a combination of nozzle sizes and air velocity the distance of thrust can be determined. Three products can be generated – clean, middlings and rejects. The former two can be monitored by ARCAM-XRT and suitable adjustments made to provide target ash in cleans and middlings.

ARM & HAMMER FORGINGS PVT. LTD.

We are delighted to introduce Arm & Hammer Forgings Private Limited, a leading name in the world of customized close die hot forgings. Our company specializes in crafting high-quality forged components ranging from 1 Kg. to 150 Kgs., tailored to meet your exact specifications and needs.

Whether you require components for the mining industry, railways, automotive, aerospace, oil and gas, or any other industry, we possess the expertise to meet your unique requirements.

This is a yoke, a key component in universal joints (U-joints) used in drive shafts to transmit torque and rotary motion between misaligned shafts. Made from high-strength forged steel, the yoke features a forked end to accommodate a cross or spider, allowing for flexibility and smooth power transmission in automotive, agricultural, and industrial machinery. Its robust construction ensures durability under high loads and rotational stresses, making it essential for reliable drive train performance.



This is a forged shaft, a critical component used in various mechanical systems to transmit power and rotational motion. Manufactured through forging, it offers superior strength, durability, and resistance to fatigue compared to cast or machined shafts. Its stepped geometry allows it to accommodate multiple components such as gears, bearings, or pulleys. Forged shafts are widely used in heavy-duty applications like automotive transmissions, industrial machinery, and power generation systems, where high performance and reliability are essential.



This is a toothed ring, commonly used in mechanical and industrial applications such as rotary equipment, gear assemblies, or coupling systems. Made from durable metal, its toothed design ensures secure engagement with other components, enhancing torque transmission and rotational alignment. Its robust construction allows it to withstand high stress and wear, making it suitable for heavy-duty operations in sectors like manufacturing, mining, and automotive.



This is a beater arm, typically used in industrial machinery such as hammer mills or crushers. Made from high-strength alloy or hardened steel, it delivers durability and resistance to impact and wear. The beater arm transfers high-speed rotational energy to crush, grind, or pulverize materials, making it essential in mining, cement, and recycling operations. The hole allows for secure mounting, ensuring stable performance under heavy loads.



www.ahfpl.com

ARUL POLYMERS PVT. LTD. (Part of Arul Group of Companies)

Arul Polymers Pvt. Ltd. and Arul Rubbers Pvt. Ltd. the core companies within the group, offer Specialized Rubber Products and solutions for a spectrum of industries since 1997 and 1978 respectively.



An ISO 9001:2015 & IATF 16949 Certified, Arul Polymers Private Limited has established its presence in the Aerospace & Defence, Automobile and all Industrial sectors for general rubber products through its DG Sheets, Roller with Diamond Groove, Herringbone Groove and plain Groove, Ceramic sheets, Ceramic hoses, Dredging Hoses, Chute & Mill Linings, Cold Bond Adhesive, Rubber to metal bonded parts, O-rings, Seals, & All Tailor-made Industrial

required rubber products.

Our customized Compound range includes Chloroprene Rubber for Sewage application, stands the specification of ASTM C1277-18 & CSA, EPDM for Moulding & FDA, Silicone for Printing Rollers & the Food Processing Industry.

Arul Polymers also offers Specialty elastomers like HNBR, ACM, AEM / VAMAC, XNBR & FKM FOR Tier 2 Automotive component manufacturers. FFKM for ultra-low and High Temperature applications like deep oil-well drilling and its pumps with State of art in-house testing lab facilities.

We have also been approved by WRAS – UK for our Ebonite Rubber Compounds in drinking water applications withstanding up to 60°Celsius temperature.

Our unflinching technical and design capabilities has enabled us to find acceptance in the Aerospace and Military Industries. We have gained the acceptance of CEMILAC (Centre for Military Airworthiness and Certification) & DGAQA (Directorate General of Aeronautical Quality Assurance).

BALL MILL LINERS

- The role of a ball mill liner is to give the mill shell and heads protection against wear and tear.
- Thus increasing their lifetime and creating optimal grinding efficiency.



CERAMIC LINERS

- Increased Friction:** The ceramic tiles provide a higher friction surface compared to rubber, allowing for better grip and reduced belt slippage.
- Enhanced Wear Resistance:** Ceramic is significantly harder and more abrasion-resistant than rubber, resulting in a longer service life for the lagging and reduced maintenance.
- Reduced Belt Tension:** With higher friction, lower belt tension can be maintained, leading to increased belt and pulley life, as well as reduced power consumption.
- Durable and Long-lasting:** Ceramic lagging can last significantly longer than rubber lagging, requiring less frequent replacement and reducing downtime.



SLURRY HOSE

A slurry hose is a specialized, flexible rubber hose designed to transport highly abrasive materials, like slurry (solids suspended in a liquid), mud, and other solids, in industries such as mining, dredging, and construction.



"ARULBOND" COLD BOND ADHESIVE

- Cold bonding rubber lining involves applying a wear-resistant rubber sheet to metal using adhesive.
- A cost-effective and fast process suitable for applications like pulley lagging and some equipment linings, in industries such as mining, dredging, and construction.



CERAMIC PULLEY LAGGING

- Ceramic pulley lagging, a specialized lining or covering for conveyor pulleys, enhances traction and wear resistance.
- Particularly in demanding environments, by increasing friction.
- Preventing belt slippage.



FILLING SHOE

- Filling shoes" (also called feed ports or inlet collars) are rubber or polyurethane components that distribute slurry into the filter chambers.
- Ensuring even distribution of solids during the filling phase of the filtration process.



FILTER GASKETS FOR FILTER PRESS

- In filter presses, gaskets are crucial for creating a tight seal between filter plates, preventing leaks, and ensuring smooth filtration by maintaining pressure.



- They are essential for the efficiency and longevity of the filter press, especially in industries handling corrosive or volatile materials.

MILL CIRCUIT TANKS

Mill Circuit Tanks rubber lined with Chlorobutyl/Bromobutyl rubber which will be used in FGD plants for handling lime stone slurry working temperature up to 100 deg C.

CARBON STEEL RUBBER LINED PIPES

Carbon steel Rubber Lined Pipes & Fittings lined with wear resistant natural rubber for transferring high abrasion slurry media with water in Iron Ore Minerals Industries.

TANKS, PRESSURE VESSELS

Tanks, Pressure Vessels, Pipes, Fittings, Ducts & Chutes and Rubber Sheets for Chemical, Fertilizer, Power, Stable Fibre, Water and Food Industries.



www.arulpolymers.com

■ AUTOMATION CONTROLS, NAGPUR

Automation Controls develops and manufactures mining safety monitoring equipments for wide range of mining applications. Inherent in these applications is a paramount need to protect personnel, facilities, and production and to comply with safety requirements. Automation controls targets this need and strive to offer cost effective solutions.



We are an ISO 9001:2015 certified organization manufacturing safety equipments for mines.

Due to our Automatic Fire Detection and Suppression System (AFDSS), till date lots of vehicles are saved from fire. We are having appreciation certificate from the users for this.

We would like to take an opportunity to introduce our self as a manufacturer of DGMS recommended safety equipments / quality products as per their safety norms and specifications.

We are feeling proud to inform you that we are a pioneer of this segment and involved in this business since 1990.

Our Automatic Fire Detection & Suppression System (AFDSS) meets all requirements as per DGMS (Tech) Circular No. 06 of 2020, Dhanbad, dated 27/02/2020. We are happy to introduce "Multi Zone Automatic Fire Detection and Suppression system" which we have developed indigenously.



Our IoT Based Automatic Fire Detection & Suppression System (AFDSS) meets all requirements as per DGMS (Tech) Circular No. 06 of 2020, Dhanbad, dated 27/02/2020. We are happy to introduce "Zone Specific Automatic Fire Detection and Suppression system" which we have developed indigenously.



Our Proximity Warning System Radar Based meets all requirements as per DGMS (Tech) Circular No. 06 of 2020, Dhanbad, dated 27/02/2020. Mining Operation Involve the use of large vehicle that demand robust safety solution. The proximity warning system radar based is a state-of-the-art safety system for preventing accidents of Mining vehicles such as dumpers providing real time object detection with visual and audio alert. This system enhance operator



awareness, ensuring a safer working environment in the often hazardous mining sector.

As per DGMS guidelines, records warning provided with time stamp to enable easy retrieval and analysis of the immediate past 96 deployment operating hours.



- Flasher Light is provided outside of the cabin to alert surrounding workmen and machine operators.
- Some specially coated corrective lens (inc. much thicker ones) and/or sunglasses can reduce the recognition rate.
- When hair blots out the eye, the device may make the Alarming as fatigue function.
- Due to strong sunlight straight on the device (from side windows) or on driver's face (from front windshield), the device may reduce the recognition rate.

While reversing HEMM like dumpers and tippers used in mining are not free of the possibility of hazardous accidents at the rear end. Several accidents have occurred in opencast mines while reversing equipment.



Though Audio- visual alarm and rear-view mirrors are safety items available to control this kind of accidents, but they do not give clear view of the rear side of the vehicle. Which may lead to fatal accidents. The Rear Vision System with Recording Facility developed by Automation Controls not only enhance the vision of operator by providing rear view, also provides the added advantage to re-visit the incidence, to eliminate the cause of Accident.

The System provided with provisions for recording the images captured with time stamp to enable easy retrieval and analysis of the immediate past more than 24 deployment operating hours.

While driving many drivers do not dip the head lamps of their vehicles in night while approaching. To dip the head light repeatedly may distract the concentration. To overcome this type of problem, Automation Controls have developed an electronic gadget called "Auto Dipper". DGMS vide Circular No. 5 of 2010 has instructed to install Auto Dipper System in every vehicle. Automatically Performs its function of dipping of the head light beam and restoring of the same. Withstands shocks & vibrations of HEMM. Only Fire-retardant conduit pipes are used for the safety of Harness. Restores the head light beam within 2 seconds when vehicle from opposite direction passes. Operates ideally on 24 Volt DC (12Volt DC optional)



DGMS has observed that the maximum number of fatal accidents occur during reversing of Surface Transport Machineries in open cast mines and to reduce accidents vide their circulars, made it compulsory to install Audio Visual Alarm in every H.E.M.M. & Surface Transportation Machineries used in Mines. We are pioneer manufacturer of AVA and our AVA is used by almost all the OEMs. Our AVA fulfils all DGMS technical specifications with testing parameters issued vide DGMS. Our AVA is 100% Water Proof. It even works after totally immersed in water. Manufactured as per IP 67 (Tested by Govt. Lab) Two synchronized speakers (110dB sound from 1.2 Meters) 400 LUX Bright focus type Red LED Operates ideally on 24 Volt DC (12 Volt DC optional)



We have developed equipment named as "Seat Belt with Reminder. Seat Belt is a safety device used to secure the operator of a vehicle against a collision or a sudden stop. Seat Belt functions to reduce causality or serious injury. It is provided with Inertial Locking mechanism It is protected from dust and mud of the polluted environment of mines. If Operator forgets or does not fasten it, "Seat Belt Reminder" alert him with Visual Indicator and also remind him in Hindi, Operates ideally on 24 Volt DC (12Volt DC optional)



Our TPMS is designed to handle the Rigors of the harsh environments at mines (Open Cast & Underground), quarries, construction sites, terminals/ports to provide accurate and reliable monitoring of tire pressure and temperature. This system is consisting of one displayer and 6 sensors. Sensors collect the tyre data and send to the monitor in wireless transmission, the monitor displays the data and alarms according to the user's. Actual setting for the pressure and temperature to avoid an accident. This system improves driving comfort, fuel economy, prolong tyre life and most importantly it avoids costly downtime on commercial projects due to tyre failures. Warnings / Alerts: It gives High pressure alert, Low pressure alert, High temperature alert, Fast leakage alert and Sensor low battery alert.



We have developed an ABS System, comprising three different functions in one control Unit. Auto Dipper Body Lifting Indicator Seat Belt with Inertial Locking Mechanism and Switch for Alert. ABS System decreases manual operations and increases operators working efficiency. This system covers three different in one as per to fulfil instructions by DGMS wide circular.



As per DGMS, while reversing the vehicle Fatal accident can be avoided and safety can be achieved for the person standing behind the moving vehicle. Automation Controls have developed Smart Rear View Alarm (SRVA) as per DGMS Circular, by compiling two different systems (Audio Visual Alarm and Rear Vision System) 1. Gives Audio-Visual Alarm to alert the person standing behind to move to a safe place 2. While reversing vehicle operator can see the clear Rear-View so that he can control the vehicle and apply the break immediately when required..



Operators of HEMM, while operation, doesn't know the position of the dump body, whether it is in high or low position. If dumper moves in body lift position, overhead HT Lines may break or hydraulic system may collide and cause a fatal accident. To avoid an accident, we have developed an electronic safety device BODY LIFT INDICATOR which gives an indication to the operator and also alerts in HUMAN VOICE. DGMS vide Circular No.5 of 2010 has instructed to install Body Lift Indicator in every vehicle.



www.automationcontrol.in

BALMER LAWRIE & COMPANY LTD.

As early as 1937, Balmer Lawrie emerged as a pioneer in the Indian grease and lubricant sector with the flagship brand, Balmerol. Balmerol offers an extensive portfolio of over 250 product grades, including biodegradable and food-grade lubricants, developed using state-of-the-art technology.



With a pan-India presence, Balmerol operates through 3 state-of-the-art manufacturing facilities with dedicated R&D centres, certified under ISO standards, 17 strategically positioned depots, and a robust network of 350+ channel partners catering to an extensive base of satisfied customers.

Our success and presence stand as testaments to our unwavering commitment to excellence, embodying quality, reliability, and customer delight.

SPECIALITY GREASES FOR HEAVY-DUTY MINING EQUIPMENTS' LUBRICATION

LIPLEX HDX 460

- Soap: Lithium Complex
- NLGI Grade: 2
- Drop Point: > 260° C
- 4-Ball EP: 560 Kg with solid lubricant
- With R&O Additives
- Water Resistance

Recommended for all pin & bushes of load haul, dumper, shovel, dozers and cone crushers.

Also, recommended for heavy duty slow-moving under shock loads and vibrations in mining operations.



LIPLEX HD 460

- Soap: Lithium Complex
- NLGI Grade: 2
- Drop Point: > 260° C
- 4-Ball EP: 315 Kg
- With R&O Additives
- Water Resistance

Recommended for all pin & bushes of load haul, dumper, shovel, dozers and jaw crushers.

Also, recommended for heavy duty slow-moving under shock loads and vibrations in mining operations and moderately loaded low speed bearing at elevated temperature in steel mills.



SYNLUBE SC (SYNTHETIC GREASE)

- Soap: Organic Complex
- NLGI Grade: 1/2 (1 to 2)
- Drop Point: > 300° C
- 4-Ball EP: 450 Kg
- With R&O Additives
- Water Resistance

Recommended for lubrication in telescopic boom as require reducing crucial friction and wear between the sliding surface of the boom sections, especially during extension and retraction under adverse operating conditions.



GREASE SC HT 5M

- Soap: Calcium Sulphonate Complex
- NLGI Grade: 2
- Drop Point: > 300° C
- 4-Ball EP: 800 Kg with solid lubricant
- With R&O Additives
- Water Resistance

Recommended for centralised lubrication of heavy-duty dumpers, pin and bush joints, rock crushers and conveyors in mining.



Specially recommended for CAT (Caterpillar) make heavy duty dumpers ~ 190 MT and above.

GREASE SC HT 2

- Soap: Calcium Sulphonate Complex
- NLGI Grade: 2
- Drop Point: > 320° C
- 4-Ball EP: 400 Kg
- Water Resistance

Recommended for heavy-duty wheel bearings, rock crushers bearing, conveyors in mining and steel plants heavy duty application where resistance to high temperatures, loads, humidity and water is critical.



GREASE MOLY ML (CENTRALIZED LUBRICATION SYSTEM)

- Soap: Lithium
- NLGI Grade: 2
- Drop Point: > 180° C
- 4-Ball EP: 200 Kg with solid lubricant
- Water Resistance

Recommended for centralised lubrication system of heavy-duty shovel, drill, steering gears, fan drive bearings, front & rear wheel bearing of dumper, dozers, draglines, excavator cranes, etc.

It provides protection against fretting corrosion, typically associated with spline shafts, pivot pins, constant velocity joints and on parts subjected to oscillating and sliding motion.



SPRAYLUBE OGL 10 / OGL 10-1000 (OPEN GEAR GREASE)

- Soap: Aluminium Complex
- NLGI Grade: 00
- 4-Ball EP: 700 Kg
- With R&O Additives

- Water Resistance

OGL specialty grease applicable for mining shovel and draglines, open gears in grinding mills & kilns.

It also caters to typical applications like open gear couplings of bulldozers, gear wheels, spur gears, excavators, winches, crushing machines, etc.



CONVENTIONAL GREASES FOR HEAVY-DUTY MINING EQUIPMENTS' LUBRICATION

GREASE AUTOPLEX RED (PREMIUM QUALITY AUTOMOTIVE GREASE)

- Soap: Lithium
- NLGI Grade: 3
- Drop Point: > 180°C
- With R&O Additives
- Water Resistance
- Longer drain interval

Recommended for wheel bearing, chassis and suspension lubrication of moderate heavy-duty trucks, buses, construction and mining equipments operating under severe conditions.



GREASE AUTOPLEX SUPER (HEAVY-DUTY AUTOMOTIVE GREASE)

- Soap: Lithium Complex
- NLGI Grade: 2/3 (2 to 3)
- Drop Point: > 220°C
- With R&O Additives
- Water Resistance
- Longer drain interval

Recommended for long life lubrication of wheel bearings application of buses, both conventional and multi-axle trucks, off highway vehicles, LCVs and MCVs and tractors.



GREASE MP2 (CENTRALIZED LUBRICATION SYSTEM)

- Soap: Lithium
- NLGI Grade: 2
- Drop Point: > 180°C
- With R&O Additives
- Water Resistance

Recommended for multipurpose automotive applications such as wheel bearings, chassis points, as well as for grease lubricated gears, couplings and universal joints.



LIPREX EP2 (CENTRALIZED LUBRICATION SYSTEM)

- Soap: Lithium
- NLGI Grade: 2
- Drop Point: > 180°C
- 4-Ball EP: 250 Kg
- With R&O Additives
- Water Resistance

Recommended for heavy duty slow-moving under shock loads and vibrations in mining operations and moderately loaded low speed bearing at elevated temperatures.

Applicable for all pin & bushes of medium loaded haul, dumper, shovel, dozers, etc.



DIESEL ENGINE OIL

ELITE MAX, API – CK4 (SAE 15W-40 & 10W-30)

Performance Specification Meet:

ACEA E-9/16 & ACEA E7/16

- BIS 13656 (RA- 2019) Type EDL 11

OEM Specification Meet:

- MB 228.31
- Volvo VDS-4.5
- MAN 3775
- Mack EOS- 4.5
- Cummins CES 20086
- Caterpillar ECF – 3

Recommended for use in high speed four stroke modern diesel engines which to meet Euro VI and BS VI emission norms with high output, low emission engines including those with Exhaust Gas Recirculation (EGR) and engine after treatment devices like SCR & DPF.

It is also recommended for on-highway / off-highway vehicles, tractors and other farm equipment engines which meet the Euro IV and BS IV emission norms.



ULTIMA CI-4 PLUS (SAE 15W-40)

Performance Specification Meet:

- ACEA E7
- BIS 13656 (RA- 2019) Type EDL 9

OEM Specification Meet:

- MB 228.3
- Volvo VDS-3
- MAN 3275
- Mack EO-N Premium Plus'03
- Cummins CES 20076 / 77 / 78
- Caterpillar ECF – 2

Recommended for use in high speed four stroke modern high output, low emission engines including those with Exhaust Gas Recirculation (EGR) which to meet Euro III / IV emission norms.

Suitable for high performance turbocharged/naturally aspirated high-performance off-highway diesel engines.

Especially suited for Caterpillar, Cummins and Komatsu engines in equipment like heavy duty excavators, dozers, etc.



ULTIMA CI-4 (SAE 15W-40)

Performance Specification Meet:

- ACEA E7

OEM Specification Meet:

- MB 228.3 / 229.1
- Volvo VDS-3
- MAN 3275
- Mack EO-M Plus
- MTU Category 2
- Global DHD -1



Recommended for use in high speed four stroke modern high output, low emission engines including those with Exhaust Gas Recirculation (EGR) and meeting EURO II / III emission norms.

Suitable for modern heavy duty on-highway / off-highway diesel engine vehicles where API CI-4 / CH-4 / CG-4 and CF-4 oils are recommended.

EXCEL TURBO CH-4 (SAE 15W-40)

Performance Specification Meet:

ACEA E5 / E3

- BIS 13656 (RA- 2019)

Type EDL 7 / EPL 4

OEM Specification Meet:

- MB 228.3
- Volvo VDS-2
- Mack EO-M Plus
- MTU Category 2
- Cummins CES 20076
- Caterpillar ECF – 1-a



Recommended for use in high speed four stroke diesel engines designed to meet 1998 exhaust emission standards, especially compounded for use with diesel fuels ranging in Sulphur content up to 0.5 % by weight.

It is ideal for new generation turbo charged, heavy duty on-highway / off-highway engines operating under low emission norms.

PRD PLUS (SAE 20W-40)

Performance Specification Meet:

- API Cf4
- BIS 13656 (RA- 2019) Type EDL 4

OEM Specification Meet:

- Mack T 8A

Recommended for use in turbo charged diesel engines and naturally aspirated diesel engines which in extreme climatic conditions.



HIGH PERFORMANCE GEAR OILS

SYNTHGEAR M SERIES (ISO VG: 68, 100, 150, 220, 320, 460, 680)

Performance Specification Meet:

- DIN 51517 Part 3, CLP
- ISO 12925-1 CKD
- AGMA 9005-E02
- U.S. STEEL 224
- Pour Point, °C: -33 to -48
- 4-Ball EP: 250 Kg
- FZG Test (A/8.3/90), Fail Stage: 12th

This high performance, fully synthetic gear/circulating oil helps extend gear and bearing life in enclosed gear drives operating under extreme conditions, moderate speed, and elevated temperatures.



www.balmerol.com

■ BEML LTD.

BEML LIMITED, is a multi-technology 'Schedule A' Company under the Ministry of Defence, Government of India.

The company operates under three major Business Verticals, Viz., Defence & Aerospace, Mining & Construction and Rail & Metro.

BEML has state-of-the-art manufacturing facilities at Bengaluru, Kolar Gold Fields (KGF), Mysore and Palakkad.

BEML has its own R&D establishment housing various laboratories and successfully rolling out world class products.

BEML has nationwide network of Sales & Service.

BEML has International Business Division and supplied products to 72 countries.

The Mining and Construction products manufactured by BEML LIMITED includes: Rear Dump Trucks, Hydraulic Excavators, Electric Hydraulic Excavators, Crawler Dozers, Wheel Dozers, Rope Shovel, Wheel Loaders, Backhoe Loaders, Water Sprinklers, Motor Graders, Pipe Layers, Tyre Handler, C-Crane.

BEML is on the track to meet 100% of its electricity consumption requirements with renewable energy, positioning itself as a leading 'Green Company' contributing to a cleaner and more sustainable future.

BH205E-AC ELECTRIC REAR DUMP TRUCK:

- High power diesel engine from Cummins and world-renowned GE electric drive, provide smooth consistent gradeability and acceleration performance.
- Diesel Electric power module with few wearing parts offers more durability and high reliability.
- Gross Horsepower: 2300 HP (1716 kW) @ 1900 rpm
- Maximum Payload: 186 Metric Tonnes (205 U.S. Ton)
- Ideally located spacious deluxe Cabin, easy to read and easy to reach instrument panel and operator switches, large tinted glass windows, with excellent visibility, for increased operator's comforts.
- Safety features includes emergency power steering, electric dynamic retarding with continuously rated blown grids and all hydraulic caliper disc brakes meets relevant safety standards.



BH100 REAR DUMP TRUCK:

- High Power Cummins (India) QST30 Engine, rugged Allison Powershift Transmission and BEML heavy duty planetary Axle provide optimum combination of Speed and Tractive Effort.
- Maximum Payload: 91,000 kg
- Body Capacity: 60 CuM
- Gross Horsepower: 1050 HP @ 2100 rpm
- Features included ROPS Cabin, Emergency Power Steering, Auto Retarder and Dual brake system to meet relevant safety standards.
- Ideally designed spacious operator cabin with ergonomically designed operator seat and controls offer maximum comfort and operational ease.



BE1800E ELECTRIC HYDRAULIC EXCAVATOR:

- Powerful squirrel cage induction motor delivers 2 x 300 kW power output to assure high operational economy.
- Bucket Capacity: 10.5 m³ - 12.0 m³ (Backhoe)
- Bucket Capacity: 7.5 m³ - 12.0 m³ (Loading Shovel)
- Operating Mass: 1,75,000 kg
- Efficient Hydraulic system for increased productivity.
- Maximum working performance
- Easy maintenance
- Operator comforts: Specially designed cab provides plenty of work space and excellent visibility.
- Environmental friendly



BE1000-1 HYDRAULIC EXCAVATOR:

- Powerful economic engine: Cummins Engine developing 650 FHP (485 kW)

power.

- Bucket Capacity: 4.5 m³ to 7.0 m³ (Loading Shovel)
- Operating Mass: 108000 kg (Loading Shovel)
- Bucket Capacity: 3.1 m³ to 6.5 m³ (Backhoe)
- Operating Mass: 105000 kg (Backhoe)
- Efficient Hydraulic System for increased productivity.
- Effort free operations
- Maximum working performance
- Easy maintenance & minimum downtime
- Operator's comfort: Specially designed cab provides plenty of work space and excellent visibility.



BD355 CRAWLER DOZER

- Powered by BEML BS6D170-1 Diesel Engine to deliver exceptional power and higher pushing force.
- Flywheel Horsepower & Torque: 310 kW (416 FHP) @ 2000 rpm & 1780 Nm @ 1400 rpm
- Power shift transmission with torque converter enables smooth Gear shifting operation.
- Sealed and Lubricated type undercarriage along with Segmented sprocket provides extended undercarriage life
- Joystick for Blade and Ripper offers fine and smoother control for Dozing & Ripping
- Ergonomically positioned controls along with Air-conditioned ROPS/FOPS cabin enhances Operator comfort.
- Blade Capacity: 5.9 m³ to 24.5 m³
- Ripper: Giant and Multi shank type offers Higher ripping force
- Operating Mass: 55,000 kg (Standard equipment with Semi-U Blade, ROPS Cabin & Giant Ripper)



BRS21 ELECTRIC ROPE SHOVEL:

- Designed and indigenously developed in India
- Bucket Capacity: 21 Cu M (Bottom Dump Bucket)
- Operating Weight: 7,20,000 kg
- Fully electric drive eliminates exhaust emissions, aligning with sustainability goals and reducing environmental impact.
- Aesthetically improved & Spacious Cabin with Ergonomically located controls.
- Powered by Siemens IGBT-based AC Drive System, enabling smooth, energy efficient operations with high reliability.
- Advanced PLC based on board health monitoring with enhanced diagnostics.
- Packed with cutting-edge features — 360° vision, fatigue monitoring, predictive maintenance sensors, centralized lubrication.



BG1205 MOTOR GRADER:

- BG1205 is the first-of-its-kind high end Motor grader to be fully indigenously developed by BEML
- Blade Length: 24 feet (high-capacity grading)
- Operating Weight: 65,000 kg
- Engine: TIER III Engine with CAN Capability to have seamless interface with other powertrain aggregates like Transmission, work control system etc.
- Transmission: Full Powershift Transmission with Electronic Controls and CAN Capability
- Operator Cabin: Aesthetically enhanced, spacious, and ergonomically designed, ensuring operator comfort and safety during prolonged shifts. Joystick Controls for Work Attachment with Load Sensing Hydraulics.
- Centralized LCD display with touch screen for equipment health monitoring with diagnostics
- Control system: Integrated Electronic Controls to have total interface



among the Powertrain Aggregates, Hydraulics and Equipment Electrical Systems

- Lighting: High-performance LED Lighting System enhancing visibility and night-time operation safety.
- Safety Systems:
 - Front and rear-view camera system for enhanced vision.
 - Fatigue monitoring system to ensure operator alertness and reduce human error.

www.bemlindia.in

■ BHARAT DRILLING COMPANY

Introduction to Bharat Drilling Company

In the competitive world of manufacturing, standing out requires a commitment to quality and reliability. Bharat Drilling Company has established itself as a prominent player in the industry, specializing in high-quality Core Drilling Accessories. Since our inception in 1995, we have been dedicated to ensuring timely delivery and exceptional service for our valued customers.



"MAXIMUS" at a glance...

When it comes to drilling excellence, Bharat Drilling Company has carved a niche for itself in the industry with its renowned brand, "MAXIMUS". This isn't just a name; it's synonymous with groundbreaking achievements and top-notch manufacturing of Core Lifters.



Why MAXIMUS Core Lifter Stands Out

- A staggering **127 meters** in Uranium and
- An impressive **120 meters** in Gold.

These remarkable feats of one single core Lifter have not only set benchmarks but have also established 'MAXIMUS' core lifters as the *best* in the market. "Innovation is the key to success, and "MAXIMUS" has unlocked the door!"

Join us as we delve deeper into what makes Bharat Drilling Company's core lifters a game-changer in the world of mining and exploration.

NQ/ HQ DRILL RODS

- Our wireline drill rods are of the highest quality, are manufactured to exacting specifications using advancing machining technology.
- They are manufactured from seamless steel tube by cold drawn, which meets the global standard.
- Our Drill rods are made from high Quality materials with proper Induction-Hardening which ensure superior strength, wear resistance and toughness in the most demanding applications.



IMPREGNATED DIAMOND

Core Bits Impregnated bits are crafted from high-quality synthetic diamonds, strategically mixed with a robust metal alloy matrix. This combination allows them to tackle a wide range of geological formations, from the softest soils to the hardest rocks. Here's why they are gaining popularity:-

- Durability: The metal matrix erodes at a rate that matches the wear of the diamonds.
- Continuous Cutting Power: As the diamonds become worn and rounded, new sharp edges are constantly exposed, ensuring ongoing cutting efficiency.
- Cost-Effectiveness: In many geological settings, impregnated bits prove to be more economical compared to other options.



HW / NW FLASH JOINT CASINGS

Our Flash Joint Casing is designed for maximum strength, precision, and ease

of use in geotechnical drilling & mineral exploration. Featuring flush-threaded connections inside and out, this casing eliminates the need for couplings, ensuring a smooth and continuous borehole while enhancing thread protection and ease of handling.



DIAMOND REAMER SHELL (FRONT END/BACKEND)

The diamond reamer shell features a cylindrical shape with diamond particles affixed to its outer diameter, providing both strength and durability. Notably, the diameter of the reaming shell is larger than that of the bit itself, allowing it to effectively protect and enhance performance.



TUNGSTEN CARBIDE CORE BITS (T.C. BITS)

Tungsten Carbide core bits stand out for their unique design and functionality. Specifically engineered to tackle soft formations—like those containing small gravel, sticky shales, or clay—these bits offer a practical solution for many drilling operations.



RECOVERY TAPS

Recovery Taps are used for recovery of drill pipe, casing when the accidents happen during drilling. Our taps are made of premium alloy steel, processed with advanced carburizing and quenching technology, which can keep it optimal performance when recovery of the rods, casing, and core barrels.



SPLIT SPOON SAMPLER

At our company, we take pride in manufacturing high-grade carbon material specifically for Standard Penetration Testing (SPT) with tempered shoes. This ensures durability and reliability in every sample collected.



CORE LIFTERS (MAXIMUS)

- A staggering **127 meters** in Uranium and
- An impressive **120 meters** in Gold.

These remarkable feats of one single Core Lifter have not only set benchmarks but have also established MAXIMUS core lifters as the *best* in the market.



DRILLING POLYMER

Our Drilling Polymers, known for their exceptional viscosity and unparalleled quality.

- FL 101 is used as Drilling Polymer in Oil, Gas & Mining Application.
- 1 GPL Viscosity (Marsh Funnel) 4 Hour 140-150 Sec.
- Works very low dosages compare to any incumbent.
- Environmentally friendly green seal qualified.



www.maximusdrilling.com

■ BROIL SENSOTEK INDUSTRIES

About Us

- Founded in 2006, headquartered in Mehsana, Gujarat, India
- Recognized manufacturer & exporter of flow meters and automation systems



- Certified with ISO 9001:2015, CE, ATEX, IECEx, IBR, and Legal Metrology

Global Presence

- Exported to 20+ countries including USA, Europe, Middle East, Australia, UAE, New Zealand and Africa
- Trusted in industries: Oil & Gas, Chemicals, Power, Pharma, Food, Automotive, Mining

Infrastructure

- Modern 1,00,000 sq. ft. facility on 25,000 sq. ft. land
- Fully equipped design, production, testing, and service units
- Advanced CNC, VMC, Moulding machines and R&D labs

Testing & Calibration Lab

- Flow calibration range: 1 LPH to 20,00,000 LPH
- Computerized test benches for pressure, flow, and temperature
- NABL-traceable, automatic data logging & traceability

OVAL GEAR FLOW METER

Positive displacement meters ideal for viscous fluids like oil and fuel. They provide accurate, repeatable measurement without requiring a flow profile, making them suitable for batching and fuel monitoring.



TURBINE FLOW METER

Measure flow by the rotation of a turbine in the fluid path. Known for accuracy and fast response, they are ideal for clean, low-viscosity fluids like water or solvents.



HELICAL FLOW METER

Use screw-like rotors to measure high-viscosity liquids such as oils. Provide smooth flow measurement with high accuracy and minimal pressure drop.



ELECTROMAGNETIC FLOW METER

Non-intrusive meters ideal for conductive liquids. With no moving parts, they offer long-term reliability and are widely used in water, wastewater, and slurry applications.



VORTEX FLOW METER

Measure flow by detecting vortices shed from a bluff body. Excellent for steam, gas, and liquids in industrial process control.



THERMAL MASS FLOW METER

Measure mass flow of gases using heat transfer principles. No moving parts, ideal for compressed air, natural gas, and other industrial gases.



FUEL MONITORING SYSTEM

Integrated systems combining flow meters and transmitters to monitor real-time fuel usage in engines or generators, aiding in efficiency and cost control.

PLASTIC HELICAL FLOW METER

Lightweight, corrosion-resistant helical meters made from plastic. Best suited for aggressive chemicals and low to medium viscosity fluids in low-pressure applications.



SWIRL FLOW METER

Create a swirling flow to measure fluid velocity. Offer better performance in short pipe runs compared to vortex meters and suit clean gases and liquids.



www.broiltech.com

■ BTL EPC LTD.



BTL EPC Ltd specializes in comprehensive EPC solutions across bulk material handling, ash handling, urea handling, mineral beneficiation, coal chemical, water treatment, power transmission and more, catering to key sectors such as power, steel, fertiliser, mining, oil and gas. With over 60 years of engineering expertise, the company has successfully executed more than 30 large-scale projects and achieved ₹780cr+ in revenue for FY2024-25. With current order in hand exceeding ₹2,200cr, BTL EPC Ltd remains committed to delivering innovative, high-quality, and sustainable solutions that drive India's industrial growth.

With advanced engineering, a focus on timely delivery, and a commitment to excellence, BTL EPC Ltd has cemented its position as a leader in the infrastructure and industrial sectors. With its unwavering focus on engineering excellence, timely execution, and sustainable practices, BTL EPC Ltd continues to build its legacy as a trusted partner in India's industrial growth.

COAL HANDLING PLANT AT BIFPCL, BANGLADESH MAITREE PROJECT. (2X660 MW, VALUE – RS.228 CR)

WAGON LOADING AND PIPE CONVEYOR SYSTEM FOR PET COKE HANDLING SYSTEM AT MANGALORE REFINERIES LTD, MANGALORE.

PET COKE HANDLING SYSTEM FOR IOCL AT PARADIP, ENSURING SMOOTH AND EFFICIENT BULK MATERIAL HANDLING OPERATION.

COAL MINING PROJECT AT NTPC, PAKRI BARWADIH IN JHARKHAND, encompassing mechanical transport and loading arrangements for the Pakri Bawradih Coal Mine. (VALUE – RS.268.64 CR)

HIGH-QUALITY PADDLE FEEDERS, manufactured in its own factory, ensuring precision engineering and reliable performance for efficient material handling solutions.

HIGH-PERFORMANCE TRAVELLING TRIPPERS for efficient material distribution. Built with precision, they ensure reliable operation in bulk handling systems.



www.btlepcltd.com

■ CARBORUNDUM UNIVERSAL LTD. (CUMI)

"CUMI's Industrial Ceramics Division has established a strong presence in high alumina ceramics, backed by over 30 years of expertise is Advanced Materials. We specialize in providing cutting-edge ceramic solutions for various sectors, including Power and Energy Systems, Semiconductor and Electronics, Mobility, Defence and Aerospace, as well as Wear, Abrasion and Corrosion Protection in the Metal, Steel, Cement and Mineral Processing industries. We are one of the largest manufacturers of metalized ceramics for vacuum interrupters globally. CUMI Ceramics is renowned for its design and application engineering capabilities, which rank among the best in the industry."



CERAMIC LINERS

High alumina ceramic liners are usually known as "Wear Resistant Liners". As the name suggests, it is used for wear resistant applications. High quality products to address wear and corrosion problems.



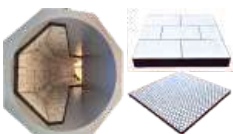
We produce large no's of dimensional Variants. CUMITUFF® high alumina ceramic tiles are manufactured for wear resistant applications particularly for Steel, Cement, Power, Coal washers & Mineral handling Industries and also other similar applications where corrosive attack is severe. CUMI's Ceramic Liners have shown excellent performance in extremely abrasive & Corrosive environments where our competitor's tiles could not withstand for even 1/10th of CUMI's high alumina Ceramic tiles' life. Our materials conform to rigorous laboratory testing to maintain excellent surface finish under the effects of various reagents/chemicals.

CERAMIC LINED BENDS are an integral part of the Pulverised fuel Bends, Fly ash bends, De-dusting Bend, Granshot Bend, Slag Bend, Lime lifting Bend, Slurry Bends, Boom Bend, Two way splitter, Mill Inlet, Mill Outlet, Fuel Inlet, Fuel Outlet, Elbows with kicker block, Elbows with deflector plate, Conical elbows etc. This lined bends is used to avoid the unwanted punchers and unnecessary downtime for the conveying operations. CUMI has been a prominent supplier of Alumina ceramic lined bends to all the major OEMs and other mineral processing industries. CUMI specializes in Alumina grades for the wear, corrosion and abrasion resistance application.



IMPACT PADS

Rubber Backed Ceramics are used for high impact & wear resistant applications. Impact pads are used for lining in steel fabricated parts of bulk material conveying systems. Impact pads with various profiles can be lined in transition parts such as cone, Y piece etc., to withstand the wear & vibrations of the particles transferred through the steel part. The particles having high abrasion and erosion, transferred at high velocities tends to puncture the steel by wear and impact, which can be prevented by Steel & Rubber Backed Ceramics.



HOSES

CUMI FLEXTUFF®, wear resistant ceramic lined flexible rubber hose is ideal for connecting conveying systems requiring movement and flexibility, subjected to vibration, impact and thermal expansion.



They can be easily connected to casing pipe systems by means of flanges as end connection offering a good flexibility support.

Design:

- Based on application there are different grades or geometries of ceramic lining such as rings, sleeves and tiles.
- CUMITUFF® high alumina ceramics are used in the form of sleeves, segments or tiles depending upon the application.

WEAR MONITORING DEVICE

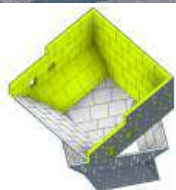
CUMI WearPro® introduces a groundbreaking solution for mineral processing plants.

Our advanced technology is strategically placed in equipment prone to wear, like slurry pipes and process piping. By constantly monitoring ceramic wear rates in real-time, our device gives a clear picture of equipment health. This data feeds into user-friendly software that predicts wear and potential failures. Together, CUMI AWARE and the software enable seamless operation, data drive decisions, ensure safety, and minimize downtime and risk.



DESIGNING

Create the design of profile for ceramic liners depending on the material conveyed, flow of material & areas of high impact.



3D SCANNING SERVICES

CUMI's 3D Scanning Services deliver precise, reality-capturing technology, enabling applications like reverse engineering and process optimization to enhance workflows with digital precision.



www.cumiceramics.com

CAVOTEC



Cavotec is a leading cleantech company that designs and delivers connection and electrification solutions to enable the decarbonization of ports and industrial applications. Backed by 50 years of experience, our systems ensure safe, efficient and sustainable operations for a wide variety of customers and applications worldwide.

At Cavotec, we design and deliver automation and electrification systems for a wide range of industrial segments. All our industry technologies support our customers to achieve safe and efficient operations. The Industry business offers electrification and charging solutions for surface and underground mining, cranes, energy sector, and processing and transportation solutions such as electric ships and other types of industrial vehicles and vessels.

MOTORIZED CABLE REELS

Cavotec motorized cable reels deliver reliable power and data to mobile mining equipment, maximizing uptime and safety. Engineered for tough mining environments, our reels support higher speeds, longer travels, and heavier loads - helping you boost productivity and reduce maintenance costs.



SPRING REELS AND SLIP RINGS

Built for demanding mining operations, Cavotec spring reels ensure consistent power supply without manual intervention. Paired with our high-performance slip rings, they offer uninterrupted transmission of power, signals, and fluids - even under the harshest conditions.



RADIO REMOTE CONTROLS

Cavotec radio remote controls put precision and safety in your operators' hands. Designed for rugged mining applications, our systems deliver secure, reliable control over equipment - improving operational efficiency while keeping personnel out of harm's way.



HUMAN OPERATOR INTERFACE (HOI)

Enhance operational control with Cavotec's Human Operator Interface. Our ergonomic HOI stations combine intuitive design and robust construction to simplify complex mining operations, reduce operator fatigue, and increase productivity across your site.



CONNECTORS

Cavotec connectors ensure fast, safe, and secure connections for all your mining operations. Whether for power, control, or fluid handling, our heavy-duty connectors are built to minimize downtime and maximize equipment performance.



POWER UNITS

Cavotec power units are the reliable backbone for your cable management and electrification needs. Designed for maximum durability, they deliver consistent hydraulic or electric power - ensuring your mining equipment runs at peak efficiency.



MEGAWATT CHARGING SYSTEM - MANUAL DISPENSER

Charge heavy-duty electric mining vehicles quickly and safely with Cavotec's Manual Dispenser for the Megawatt Charging System. Easy to handle and extremely robust, it enables ultra-fast charging even in the most challenging conditions.



MEGAWATT CHARGING SYSTEM - CONNECTOR

Cavotec's Megawatt Charging System Connector delivers industry-leading charging speeds for electric mining fleets. Its rugged design ensures safe, reliable operation in harsh environments, keeping your equipment charged and your operations moving.



CAVOTEC SERVICE OFFERING

Maximize equipment performance and extend system life with Cavotec's comprehensive service solutions. From installation and training to preventive maintenance and 24/7 support, we help you reduce downtime, control costs, and optimize your mining operations.



www.cavotec.com

CBC INDIA

We are CBC INDIA – a trusted name SINCE 1975 in the manufacturing and supply of premium C-Flex® conveyor belts, including Megatherm belts, Sidewall belts, and Elevator belts. With decades of experience and a strong focus on quality and performance, we deliver complete material handling solutions that drive efficiency across industries like steel, cement, power, and mining. Our reputation is built on reliability, innovation, and deep industry expertise.



- Our vision is clear – to be the most dependable partner for material handling, helping industries achieve greater productivity and long-term sustainability.
- In line with this commitment, we are excited to introduce our latest breakthrough: the CBC Wagon Unloader – a direct one-to-one replacement for conventional wagon tipplers. This cutting-edge solution is engineered to transform the way bulk materials are unloaded from railway wagons.
- Unlike traditional tipplers that require massive infrastructure and maintenance, the CBC Wagon Unloader offers a compact, efficient, and cost-effective alternative. It enables fast, safe, and energy-efficient unloading without the need for complex mechanical movements or heavy civil work.
- With this innovation, CBC INDIA reinforces its position as a forward-thinking leader in material handling – delivering smarter, simpler, and more sustainable solutions for the industries of tomorrow.
- First to offer 7.2m wide conveyor belt with no longitudinal joint.
- First to supply conveyor belt resistant up to 500°C.

WAGON UNLOADER

- A Low-Cost Light Weight Easily Operable substitute for Wagon Tippler.

SALIENT FEATURES

- **Efficient Material Handling:** The chain bucket unloader streamlines unloading bulk materials from train carriages.
- **Versatile Applications:** Widely used in power plants, ports, metallurgy, mining, and chemical industries.
- **Advanced Mechanism:** Combines a bucket system for material extraction with a conveyor for seamless transfer.
- **Smart Design:** Features a traveling mechanism, lifting system, belt conveyor, and control system for optimal performance. This Unloader is positioned over the Carriage, removes materials, and transfers them for stacking for further processing.
- **Time-Saving Operation:** Unloads each wagon in just 10 minutes.
- **Enhanced Productivity:** With two unloaders, 60 wagons rack can be emptied within 5 hours.
- **Reliable Performance:** Precisely positions over carriages to extract and transfer materials for stacking or further processing.



www.cbc.in

CBS TECHNOLOGIES PVT. LTD.

CBS Technologies Pvt. Ltd., based in Greater Noida, Uttar Pradesh, is a leading Indian manufacturer of industrial oil purification and fire protection systems. We specialize in the design, development and manufacturing of filtration solutions for transformer oil, turbine oil, hydraulic oil, gear oil, and coolant systems, serving critical industries including power, steel, cement, and defence.



Our core offerings include:

- Transformer Oil Filtration Plant
- Transformer Online Dry-Out Systems (TODOS)
- NIFPES - Nitrogen Injection Fire Protection & Extinguishing Systems
- Disc Stack Separator for turbine/Hydraulic/Lubricating Oil
- Industrial Oil Filtration Machines
- Hydrocyclone Separator

CBS have following Technical associations with India's top R & D organisations and are technical partners with:

- DRDO (Defense Research and Development Organization) MOD-Govt of India
- BARC (Bhabha Atomic Research Center) Dept of Atomic Energy-Govt of India
- IIT (Indian Institute of Technology) Delhi/Varanasi
- M/S ECE - Netherlands

CBS operates with a strong pan-India presence through licensing agents and channel partners, and Our machines are widely used across SEBs, PGCIL, NTPC, NHPC, NPCIL, Railways, NCL, PGCIL, MES, CMPDI and private industries for oil quality improvement and fire safety assurance.

With in-house R&D, indigenous manufacturing, and ISO-certified processes, we align our efforts with the Make in India and Swachh Bharat Abhiyaan initiatives. Our technical team offers site visits, performance validation, and online support for critical projects.

At CBS, we believe in long-term value creation through reliability, safety, and sustainability.

NITROGEN INJECTION FIRE PREVENTION & EXTINGUISHING SYSTEM (NIFPES)

CbS Technologies Offers an Advanced Nitrogen Injection Fire Prevention & Extinguishing System to protect transformer & Reactors from fire and blasts arising from internal faults. Introducing a revolutionary Fire Protection System designed to safeguard the integrity and longevity of transformer & Reactors by preventing and extinguishing fires. Inside the transformer, fires can ignite due to issues like arcing, dielectric breakdowns, winding deformations, or improper grounding. Externally, hazards such as OLTC malfunctions, oil leaks, gasket failures, faulty cooling systems, Buchholz relay issues, bushing bursts, or cable termination faults can trigger devastating fires. Our advanced system ensures comprehensive protection, maintaining the health of your transformer and preventing catastrophic damage.



TRANSFORMER ONLINE DRYOUT SYSTEM (TODOS)

Online drying of transformers is an innovative process that maintains the electrical properties of insulating oil while simultaneously drying the core of the transformer. It removes moisture from the oil and winding paper in a live transformer by continuously circulating the oil through a system without disturbing the Dissolved Gas Analysis (DGA). CbS systems incorporate all the necessary features to allow a transformer to remain in service while effectively removing moisture from its insulation. The system is safe, with several alarm features that shut it off and isolate it from the transformer in the event of any abnormal signal.



ULTRA-HIGH VACUUM TRANSFORMER OIL FILTRATION PLANT

The Ultra High Vacuum Transformer Oil Filtration Machine is a state-of-the-art system designed to ensure the purity and efficiency of transformer oil used in high-voltage transformers. This advanced machine employs ultra-high vacuum technology



to effectively remove moisture, gas, and particulate impurities from the oil, thereby enhancing the performance, reliability, and lifespan of transformers.

DISC STACK SEPARATOR

CBS is 1st Indian OEM who offers a disc stack separator, also referred to as an industrial centrifuge or centrifugal separator, is a specialized high-speed machine designed for efficient solid-liquid and liquid-liquid separation. This heavy-duty industrial centrifuge uses a stack of conical discs to enhance the separation process, making it capable of handling demanding tasks across various industries. Disc stack separators are essential for clarifying liquids, separating solids from liquids, and separating two immiscible liquids of different densities. They are widely used for Oil Purifications



HYDROCYCLONE SEPARATOR

Effectively remove unwanted solids from water in various applications including cooling towers, industrial processes, food industries, automotive processes, aquatic exhibits, and more.

Description: In any liquid pumping operation, the presence of sand, silt, grit, and other solid particles poses a significant challenge. The Sand Eliminator hydrocyclonic separator addresses this challenge by utilizing centrifugal action to remove these unwanted solids from pumped water and fluids.



Operation: The hydrocyclone separator utilizes centrifugal force to push heavier particles to the outer chamber, where they are collected, while clean water exits through the center. This efficient process ensures optimal equipment performance and minimizes maintenance requirements.

www.cbsenergy.com

CEAT SPECIALTY TYRES LTD.

At CEAT Specialty Tyres, we are proud of CEAT's 100-year legacy in the tyre industry. Starting in Italy in the 1920's, we now have a presence across more than 120 countries and continue to grow in sectors across agriculture, mining, construction and port.



'Making Mobility Safer and Smarter, Everyday' is CEAT's purpose. To achieve this, we continually invest in customer service and R&D to ensure we deliver the highest quality tyres to our customers across the world.

Our state-of-the-art radial plant in Ambarnath (Mumbai) boasts high end equipment and an experienced team. With a dedicated R&D center, we are rapidly expanding our radial offering for agriculture and OTR markets across world. We look forward to partnering with you, with the assurance that no matter how tough the terrain, our tyres will be as hardworking as you are.

LOADPRO

- Steel belt at the crown for increased stability and puncture resistance.
- LoadPro Hard Surface tyre features higher tread width and sharp shoulders for excellent grip, reduced soil compaction, and improved stability.
- Rugged casing and rigid belt offer radial construction advantages, supporting heavy equipment and loads.
- Specially designed for performance in various industrial applications.



PORT PRO TX

- PORT PRO TX features sturdy lugs with self-cleaning properties, ideal for RTG and empty container handlers requiring high traction.
- Flat tread with large width increases ground contact area for improved traction on paved surfaces.
- More rubber in the footprint enhances penetration resistance of the tyre.
- Continuous tread pattern contributes to the tire's



extended service life.

PORT XL PLUS

- PORT XL PLUS is an industry-first tyre with an extra deep tread designed for extreme load conditions in reach stackers, container handlers, and gantry crane applications.
- Higher base cover compared to IND 4, providing exceptional performance for heavy-duty use on concrete and asphalt surfaces.
- Superior tread compound reduces heat build-up.
- Tough and heavy-duty carcass enhances puncture resistance.
- Stronger bead for long-lasting durability.



PORT PRO RX

- PORT PRO RX tyre is puncture resistant and features a special wear-resistant compound for heavy loads and extreme working conditions.



MINEMAX X3

- 4-breaker ply for puncture resistance.
- Non-directional tread pattern for superior traction and grip.
- Cooler runs and higher mileage due to an improved compound.
- Designed for durability and performance.



ROCK XL

- ROCK XL tyre features self-cleaning, sturdy lugs for improved traction.
- More rubber in the footprint adds penetration resistance and improved mileage.
- Special compound provides resistance to cuts and snags, while optimizing wear.
- Deep tread and robust casing make it suitable for heavy-duty use in mining and rock excavation applications.



TRAC XL

- TRAC XL features higher NSD (Non-Skid Depth) and continuous lug bars.
- Optimized lug geometry ensures uniform wear, while continuous tie bars reduce lug flexing and extend service life.
- Higher under tread enhances puncture resistance.
- Recommended for use on concrete mixers.



LOAD XL

- Superior tread and sidewall compound help reduce heat build-up.
- Heavy-duty nylon casing strengthens the tyre to withstand cuts, snags and bruises.
- Non-directional tread pattern ensures the load XL can shoulder heavy loads and extreme working conditions. Heavy-duty tyre for severe loading and earthmover operations.



ELEVETA PLUS

- ELEVETA PLUS is a specially designed heavy-duty tyre ideal for forklifts and material handlers.
- Alternate continuous lugs with high contact areas ensure maximum stability and load distribution.
- Tough casing for excellent durability.
- Superior tread compound with high resistance to wear, tear, and cuts.



ELEVETA X3

- Non-directional Deep tread helps for Heavy-duty material handling operations, better tire life.
- Tie bar at the center provides durability during application & uniform wear.
- Extra thick sidewall improves sidewall stability & Prevents accidental damages.
- Specially designed rim guard ensures protection



against wheel damages in the rim flange area.

www.ceatspecialty.com/in

■ CENLUB INDUSTRIES LTD.

Cenlub Industries Limited, is a 47 Years Old Organization, BSE listed (Public Limited) Company in the field of Design, Manufacturing and Supply of Centralized Lubrication System for various Machines, Plants and Equipment & catering Domestic & Export needs.



Industries We Served:

- Cement Plant. • Construction / Earth Moving Equipment. • Defence Equipment. • Escalator. • Machine Tools. • Material Handling / Mining Equipment. • Packaging / Printing / Plastic Industry. • Oil & Gas Refineries / Petrochemical. • Power Plant. • Pulp Industry. • Rail Track Lubrication System. • Steel & Sponge Iron DRI plants. • Sugar Plants. • Wind Turbine.

OUR PRODUCTS

Machine & Tools Lubrication

- Single shot lubrication system.
- Progressive Grease lubrication system.
- Air Oil Spray lubrication system.

Plant Lubrication System

- Oil circulation system / lube oil system.
- Progressive Grease lubrication system.
- Dual Line Grease lubrication system.
- Grease Spray lubrication system.

Construction Machinery & Vehicle Lubrication

- Vehicle lubrication system.
- Rail Track lubrication system.

www.cenlub.in

■ CHANDERPUR WORKS PVT. LTD.

Manufacturers & exporters of cement plants, mineral processing equipments, fertilizers plants (SSP & NPK), FGD projects, biomass gasifiers, coal gasifiers, paper plants, lime plants & material handling equipments.



We feel proud of having our presence in almost all continents of the world. Mineral, cement & fertilizer division has served clients in countries like Congo, Kenya, Cuba, Sudan, Zambia, Nepal, Yemen, Djibouti, Bolivia, Egypt, Myanmar etc. And renewable energy division is mainly catering to the developed countries in Europe and USA.

Our equipment's are well renowned and our prowess to provide the explicit, process associated, robust and cost-effective grinding solutions give us the competitive edge over others. Some of our other key products consist of hammer mills, roller crushers, rotary kilns, dryers, drum scrubbers, rotary lump breaker, air classifiers, separators, pressure vessels, heat exchangers, conveyors, screw conveyors and bucket elevators along with heavy & complicated fabrication for the plants.

With complete in-house design, manufacturing and inspection & testing facilities and innovation, we provide timely completion of the projects. We use all the latest software like oracle ERP system for smooth management workflow and Solid Works, Drive Works, Auto Cad, STAD for the design department.

BALL MILLS

Our Ball Mill is highly advanced and specifically engineered for both wet and dry grinding applications.



- 450+ installations.
- Robust & Reliable Design
- Easy Maintenance & Operation
- Fully automated system with PLC control & Instrumentation.

DRUM SCRUBBERS

Drum scrubbers are a reliable solution for washing contaminated bulk material and industrial materials, and for preparing ores for beneficiation plant in wet process.



- Trunnion bearing has a special feature of self-alignment.
- Dust proof with oil tight housing.
- Lubrication Pump with stand-by pump is provided for each bearing.

ROTARY LUMP BREAKER/SCRUBBER

Rotary lump breaker/Scrubber with pneumatic rubber Tyre drive are used in technologically advanced "Metal Recovery Plant" in Steel Industry.



ROTARY DRYER

It is a continuously operated, direct contact Dryer. It consists of a slowly revolving cylindrical shell that is typically inclined to the horizontal a few degrees. The wet material is dried with the help of hot gases that may be generated in an external furnace.



AIR CLASSIFIER

Classifier is based on the natural laws of centrifugal, gravitational, and flow forces. These principles are used to bring about the classification in elements of different sizes.



CENTRE DRIVE BALL MILL

Very easy to maintain as it requires no Grease Spray system. The gearbox is 'flanged', meaning it has no direct contact with the mill foundation. So, mill movements have no effect on the gearbox teeth.



www.chanderpur.com

■ COLETANCHE (BY IKO AXTER)

AXTER is a leading international manufacturer of top-quality waterproofing membranes, including COLETANCHE reinforced bituminous geomembranes, widely used in mining applications around the world.



COLETANCHE is used for mine tailing dams, mine water process ponds, canal lining, capping of contaminated land, erosion protection, and preventing water ingress into mine rail track formations. COLETANCHE is a robust liner that does not require a protective cover such as soil or geotextile and can stay exposed to UV. It is very tough and may be safely covered by large stones without being damaged. It has remarkable dimensional stability and is not affected by changes in temperature, avoiding the wrinkles formation. Its surface mass prevents wind uplift, and it can be sealed under water.

COLETANCHE is the No.1 waterproofing solution for civil engineering and mining structures!

MINE WASTE COVER IN A TAILINGS POND AT CAPRICORN COPPER (AUSTRALIA)

Coletanche worked on the Capricorn Copper mine rehabilitation project to cover 100,000 m² of a tailings dam and 40,000m² of a mine waste pond (leachate). The aim of this project WAS to address the environmental problems caused by mining and to give a second life to this area through revegetation. Using a bituminous geomembrane allows for innovation and avoids the alternative of a clay cover, which involves finding and moving nearly 100,000 tons of clay. Its ease of installation makes possible to work with local labor without using a specialized subcontractor.



HEAP LEACH PAD, DOLORES MINE (MEXICO)

The Dolores mine is a large silver mine located in the north of Chihuahua (Mexico). Dolores represents one of the largest silver reserves in Mexico and in the world. The mine expansion was developed under many constraints that favored the use of Coletanche BGM.



Coletanche was placed on the new heap leach pad bottom lining. The reasons of choice were its high puncture resistance, the lack of quality clay in situ to develop a proper pad, and the fact that is possible to install Coletanche in extreme weather conditions, so no work delay due to weather constraints.

CARRAPATEENA TSF AND DECANT POND (AUSTRALIA)

The Carrapateena mine is a copper-gold project in South Australia. A lined tailings storage facility was required to receive the tailings by-product and protect the surrounding environment. A lined decant pond was also constructed as part of the processing facility.



The designer required a Bituminous Geomembrane (BGM) with specified mechanical, durability, and hydraulic properties.

COLETANCHE ES3 is designed to interface directly with various stone and large particle sizes. This allows it to be installed efficiently without additional protection measures. Coletanche BGMS have been tested for chemical compatibility with various tailing types and have an hydraulic conductivity which easily meets project requirements.

ROZA SUNNYSIDE, WA, USA

The reservoir was to provide a geomembrane lined re-regulation reservoir with approximately 200,000-hectare capacity to pump water from the Roza canal into the reservoir via turbine pumps and gravity feed. Coletanche was chosen as it represented a cost efficient effective method to line the reservoir as an exposed option thus realizing significant revenue savings without compromising quality and longevity of the project.



This local irrigation district is one step closer to completing an historic project and it has received approval from the department of ecology.

COAL MINE PROCESS WATER DAM in HUNTER VALLEY, NSW, AUSTRALIA

The project scope involved waterproofing a process water dam with a surface area of 240,000 m². The selected solution was Coletanche ES3, a 4.8mm thick bituminous geomembrane specifically suited for demanding mining applications. The choice of material was driven by the need for a robust solution capable of withstanding the site harsh conditions while providing reliable long-term performance. The good resistance to UV radiation and excellent puncture resistance made Coletanche particularly suitable for harsh conditions of the site. Its ability to withstand high temperature variations while maintaining structural integrity was crucial given the local climate.



LITHIUM EVAPORATION POND, ATACAMA DESERT (CHILE)

Talking of non-metallic mining, lithium is one of the most demanded products and the one generating most investments in mining. The company ROCKWOOD LITHIUM, located in El Salar de Atacama (Chile) and belonging to the American ALBEMARLE, is the main operator of this product.



Due to some issues with PVC geomembrane, Rockwood Lithium looked for alternatives to cover the pools of concentrated product. The client decided to do some tests with the COLETANCHE for lining three of the evaporation pools. It required 8 months of work and evaporation process until reaching the level of product concentration desired. It was therefore proved that COLETANCHE geomembrane could perfectly resist all physical and chemical constraints.

www.coletanche.com



CONTINENTAL CONVEYORS PVT. LTD.

Introduction: We, Continental Conveyors (P) Limited (CCPL) are one of the leading Manufacturers & Exporters of Rubber Conveyor Belts with world class state-of-the-art manufacturing units located at Bhiwadi, Rajasthan that is just 50 kms from New Delhi International Airport.



Company Overview: CCPL incorporated in the year 1996, has been developing and manufacturing conveyor belts for more than two decades now. Our far-reaching experience, innovation, state-of-the-art technologies and high production capacity, as well as our acute conveying know-how have made us one of the most reliable conveyor belt manufacturers globally.

Our Products: We offer a broad range of conveyor belts of different grades such as M24, HR, FR, OR etc. along with some specially developed grades such as UHR and SAR. We also manufacture special Chevron / Cleated Conveyor Belts suitable for High Inclination Angle with special feature of Integrated Molded Cleats, along-with allied Rubber Products, to help accelerate your unique conveyor operations. We completely ensure safe, high-quality and highly efficient conveying even under extreme conditions.

Manufacturing Capabilities

6 nos. Vulcanizing Presses, upto 2300 mm width; 2 nos. 4 roll calendaring machine & 1 nos. 3 roll calendaring machine; In house R&D infrastructure; State of the Art Testing Laboratory; Wider belts upto 2200 mm width without any Longitudinal Joint in Fabric; Our capacity involves manufacturing of 2000 Mtrs. to 2200 Mtrs. of belt per day.

Note: Please see below for the list of our major machineries and lab equipment.

Qualitative Measures: Continental Conveyors (P) Ltd. is an ISO 9001:2015 Company which has retained its customers with its quality and value for money products. Our quality product is developed by our technocrats in our R&D lab for meeting the customer needs with perfection. We have fulfilled the needs of various clients for the rubber beltings to perform well in the adverse conditions and rough applications and which has resulted in performance appraisals from our number of clients. We have advanced and digital testing machines for precise observation and accurate results. Apart from IS 1891, we can manufacture the products as per international standards as per the client requirements.

Market Captured: Our Rubber Conveyor belts are widely used in several diversified industries for their Critical & Super Critical applications in Sectors like Cement Plants, Power Plants, Mining, Steel Plants, Sponge Iron Plants, Ports Fertilizer Plants, Coal Mining, OEMs, Sugar Units, Paper Mills, Rice Mills, Foundry, Construction Industry etc.

We have come up with significant advancements in conveyor belts, to give ultimate life & performance. We offer Conveyor belts in various constructions, ratings & rubber grades as per the specific requirement of the clients.

General Purpose Industrial Conveyor Belts are made from technologically superior rubber compounds with better ageing characteristics, available in a variety of grades; carcass available in both nylon or Polyester fabric (EP).

The Heat Resistant Conveyor Belts are made-up of Special Rubber Covers that protects the fabric of the belt against hot materials such as alumina, ash, granite, iron and copper, grit etc., available in various grades:



- HR (Heat Resistant) SHR (Super Heat Resistant)
- UHR (Ultra Heat Resistant) HOR (Heat & Oil Resistant)

FIRE – RETARDANT BELTS

Self-extinguishing design prevent fire from spreading over the entire belt.

OIL RESISTANT BELTS

The synthetic fabric is impervious to oil, turps, moisture and rot. The top and bottom covers are made of oil and terpene-resistant black rubber, so that they retain their shape, hardness and surface characteristics, also available OHR (Oil and Heat Resistant) belt.

HYGIENIC - FOOD GRADE BELTS

Nontoxic, odourless belts used in Sugar Industries, food processing industries and Tea estates etc. Rubber compounds used in belts maintain hygiene and product safety.

ELEVATOR BELTS

These Belts are suitable for vertical transport of materials. CCPL offers special elevator belts with Minimum elongation characteristics, available in various grades, M-24, HR, SHR, HOR, oil resistant and White / Hygienic Food Grade.

CHEVRON / CLEATED BELTS

CCPL offers a wide range of Profiled Chevron / Cleated Belts which make increased angles 30° to 40° inclination possible. The advantage of high angle of inclination is that less space is needed to reach the desired conveying inclination / angle.

V, U, C & Y - CLEATS



www.ccpl.in

■ COSMOS PUMPS PVT. LTD.

Cosmos Pumps, a recognized start-up by the Government of India, is a leading manufacturer of submersible dewatering, sewage, slurry, and non-clog pumps, as well as engine-driven auto-prime dewatering pumps. Established in 2013 in Faridabad NCR, the company has developed a state-of-the-art manufacturing facility over 50,000 sq. ft., focusing on R&D and quality assurance. Cosmos Pumps caters to various sectors including construction, power plants, urban flood control, and mining.



The product range includes durable pumps compliant with ISO-CE-UL standards. Notably, the auto-prime dewatering pumps are highly valued for flood control and come with COSMOSMART features for remote monitoring via smartphone. With a strong dealer network, Cosmos Pumps ensures effective sales, rental, after-sales support, and customized solutions. The company aims to be the first choice in dewatering while promoting smart and preventive practices to conserve resources.

CAP-MW

It's a High performance AutoPrime Dewatering Pump coupled with Motor/Engine and equipped with Vacuum priming technology.

- From Mining to Construction, its build for tough environments.
- Zero pain of Manual Priming/Re-Priming
- Zero Foot Valve Clogging
- Zero trouble of Portability
- Zero Sound (with acoustic canopy)
- Customization basis requirement
- CosmoSmart for Remote Monitoring



CSL

Tackle the toughest slurry with unmatched precision.

- Particle handling size upto 75mm
- Specific gravity upto 1.7
- 27% Chromium



CDW

Submersible dewatering pump.

- Removes water dissolved with mud
 - As low as 3 inches
 - As high as 200M
- Top discharge with auto cool design
- Light weight and portable
- Particle handling size upto 12mm
- P.H. value 5-8
- Specific gravity upto 1.1



CDW UH

Strong and higher lift pump with ultra-high head technology.

- Particle handling size upto 12mm
- Specific gravity of 1.1
- P.H. Value 5-8



AFTER MARKET SERVICES

Beyond the Sale- Powering Performance, Anytime, Anywhere.

At Cosmos Pumps, Our aftermarket services are built to maximise uptime, extend pump life, and ensure the site operations never stops functioning.

We Offer:

- In-Warranty Services
- Annual Maintenance Services (AMC)
- Out-of-Warranty Services
- Customer Support
- PAN India Service stations



RENTAL

At Cosmos Rentals, we provide a diverse range of high-performance dewatering pumps and solutions for rental. When your requirement is short term for mining, construction or municipal projects, we have the right rental equipment to meet your needs.



www.cosmospumps.com

CRC INDIA MANUFACTURING & DISTRIBUTORS PVT. LTD.

CRC Industries is a global leader in manufacturing and distributing specialty chemicals for maintenance, repair, and operational professionals, as well as the do-it-yourself (DIY) market. The company was founded in 1958 and now operates worldwide, serving a wide range of industries including automotive, industrial, electrical, marine, heavy truck, hardware, and aviation.



TOGETHER, WE GET IT DONE.™



KontaktPCC_AS_1_h600



MCAP_RostFlashPRO_h600



MCI31_2-26_h600



MCI31_NSR-Dry_h600



MCI31Crick110_h600



MCI31Crick120_h600



MCI31Crick130_h600



MCI31EcoLeak Finder_h600



MCI31FPS-3-36_3_h600



MCI31FPS-FoodGrease_2_h600



MCI31Gear-WireRopeLube_2_h600



MCI31LectraCleanII_h600



MCI31QD-Contact Cleaner_h600



MCI31 White Lithium Grease_h600



Plastik70_AS_1_h600



SP-400



SW-33-1

www.crcind.com

CTC IMPEX (INDIA) PVT. LTD.



CTC IMPEX (INDIA) PVT LTD. is a UNITED ARAB EMIRATES and INDIA based company as World's Largest Rolling Mills Bearing Distributor. More than 100 Rolling mills and Rolling mills machinery mfgs. Are our valued clients. We are also keeping huge stocks of Bearings, Sleeves, V-Belts and Plummer blocks For Cold and Hot rolling mills (high temperature), Steel Plant, with some Applications like Support bearings for Long Shafting, Bearings and Track Rollers for Sintering Plants and Furnace, Wheels and Track Rollers for Conveyors, Bearings for Continuous Casting, Bearings for Universal Shafts, Bearing for Rolling Beds, Roll Neck Bearings of Back-up Rolls and Work Rolls, Bearings for Straightening and Flattening Machines, Bearings for Trimming Machines, Ladle Turret Bearing, Cardan Shaft Bearings Specially for Rolling mills.

CTC IMPEX (INDIA) PVT LTD. is the master distributor and sole Exporters of the Indian origin super precision bearing KDM (With Performance Guarantee) And an Exclusive certified Importers for KYK (Japan), Koyo (Japan), Kinex (Slovakia), LYC & ZWZ (China) SKF, FAG, Timken, RHP, NACHI, NTN, NSK, INA, IKO, KG, DYZV, SMS, DPI, ISB & many popular brands of bearings in bulk quantities. At present we are on approved list of many private Ltd., Public Ltd. and govt. organisation Rolling mills in GULF, MIDDLE EAST, SOUTH ASIA, AFRICA AND MENA COUNTRIES.

CTC IMPEX (INDIA) PVT LTD. Will be honored to utilize this opportunity and provide the best of our service to your esteemed organization in terms of quality & satisfaction at an appreciable cost. We shall be grateful if you enrol our name in your regular supplier's list and gives us an opportunity to serve you by sending us your valuable enquires. You may be rest assured that we will do our best to give you complete satisfaction by extending our fullest co-operation. Thanks for your time & please feel free to get in touch with us for any further reference.

FOUR ROW TAPER ROLLER BEARING

4-row tapered roller bearings are critical components in steel plants, providing essential support for high-load, high-stress applications. Used in rolling mills, continuous casters, and large crushers, these bearings can handle substantial radial and axial loads simultaneously. The four rows of tapered rollers ensure enhanced load distribution, stability, and performance, even under extreme conditions such as high temperatures and heavy shocks. This makes them indispensable in maintaining smooth operation and preventing equipment failure. Their durability reduces friction, wear, and maintenance requirements, significantly improving the efficiency, reliability, and longevity of key machinery in steel manufacturing operations.



FOUR ROW CYLINDRICAL ROLLER BEARING

4-row cylindrical roller bearings play a vital role in steel plants, offering superior performance in high-load, high-stress environments. Typically used in applications such as rolling mills, continuous casters, and heavy machinery like conveyors and cranes, these bearings efficiently manage substantial radial loads. Their robust design, with four rows of rollers, ensures enhanced stability and load distribution, reducing the risk of failure under extreme operating conditions, including high temperatures and heavy shocks. By providing reliable performance and minimizing wear, 4-row cylindrical roller bearings contribute to improved operational efficiency, reduced downtime, and lower maintenance costs, ensuring optimal performance of steel plant equipment.



SPHERICAL ROLLER BEARING

Spherical roller bearings are critical components in steel plants, mining, and metallurgy industries due to their ability to handle high radial and axial loads, as well as misalignment. These bearings are ideal for equipment operating under harsh conditions, including rolling mills, crushers, conveyors, and kilns, where heavy vibrations, extreme temperatures, and contaminants are prevalent. Their self-aligning capabilities ensure smooth operation even with shaft deflections or misalignment. By offering durability, high load-carrying capacity, and reliability, spherical roller bearings minimize maintenance needs and downtime, significantly enhancing the performance, productivity, and longevity of machinery in these demanding industrial sectors.



THRUST ROLLER BEARING

Thrust roller bearings are specialized bearings designed to support high axial

loads, primarily in one direction, using cylindrical roller elements. These bearings are engineered to provide exceptional load capacity, rigidity, and efficiency, making them ideal for applications with significant axial forces, such as in gearboxes, rotary tables, and heavy industrial machinery. Compared to ball bearings, thrust roller bearings offer superior performance under high thrust loads. They are widely utilized in sectors like power generation, mining, and manufacturing. Proper lubrication and maintenance are essential to optimize their performance, minimize wear, and extend their service life in demanding operational environments.



INSULATED BEARING

Insulated bearings are specially designed bearings with an electrically insulating layer, typically made of ceramic or resin, between the inner and outer rings. These bearings prevent the flow of electric current through the bearing, protecting sensitive equipment from electrical damage. They are crucial in applications where electrical currents are present, such as in motors, generators, or turbines, to avoid issues like shaft erosion, premature wear, and bearing failure. Insulated bearings help extend the lifespan of machinery, reduce maintenance costs, and ensure reliable operation in industries such as manufacturing, steel, and power generation. Proper lubrication is essential for optimal performance.



PLUMMER & PILLOW BLOCK

Plummer block and pillow block bearings are critical components used to support rotating shafts in industrial machinery, particularly within the steel and metal sectors. The Plummer block bearing features a robust split housing design, allowing for easy maintenance and replacement of bearings. It is primarily employed in heavy-duty applications such as rolling mills, crushers, and large conveyors, where high radial loads and vibrations are prevalent. Pillow block bearings, with a single-piece housing, are typically utilized in lighter-duty applications, such as smaller motors and drives. Both bearing types enhance equipment stability, reduce wear, and improve operational efficiency, minimizing downtime and extending machinery lifespan.



SLEEVE

A sleeve bearing, also referred to as a journal bearing, is a straightforward yet reliable bearing type designed to support rotating shafts within a cylindrical sleeve. It operates on a thin layer of lubrication between the shaft and the bearing surface, effectively reducing friction and wear. Sleeve bearings are commonly utilized in applications where axial loads are relatively low, and high rotational speeds or heavy loads are not predominant. These bearings are widely employed in motors, compressors, and pumps, offering cost-effective performance. When adequately lubricated and maintained, sleeve bearings provide long-lasting, efficient operation with minimal maintenance requirements.



www.ctcbrg.com

■ DANGO AND DIENENTHAL INDIA PVT. LTD.

THE DANGO & DIENENTHAL GROUP

Founded in 1865 as a foundry with just a few employees, we are today worldwide renowned as a premium manufacturer of special machinery and equipment for the melting, forging, rolling, bending and heat treatment of semi-finished steel and non-ferrous metals products.

During 1998 DANGO & DIENENTHAL, Germany had felt to create an Indian subsidiary which results the formation of DANGO & DIENENTHAL (India) Pvt Ltd. at Kolkata. Around the turn of last one-decade DANGO & DIENENTHAL

DANGO & DIENENTHAL
BETTER VALUES.



INDIA has manufactured specialized machineries which is backed by the design and engineering support from DANGO & DIENENTHAL, Germany for metallurgical industries in their modern workshop & cater services to Indian customers. Over the year DANGO & DIENENTHAL INDIA has manufactured and put into service many machines, equipment including system for steel plant applications. Our key area for services is commissioning of supplied equipment / system at customer works including turnkey jobs. DANGO & DIENENTHAL INDIA is also specialized in reconditioning of the equipment such as Mobile Transport Manipulator, Handling Equipments, Clay Gun and Tap Hole Drill and many more. Reconditioning of equipment are carried out by DANGO & DIENENTHAL INDIA specialized technicians at DANGO & DIENENTHAL INDIA work shop and the machines are brought to the normal trouble-free working condition by carrying out various test. DANGO & DIENENTHAL INDIA personnel pertains training of customer's people during commissioning of the equipment at site, in the various fields like maintenance of Hydraulic System, up - keeping of machine and Operation etc.

SSM SERIES - Rail-bound Forging Manipulators

The rail-bound forging manipulators in our SSM series can position workpieces weighing between 10 and 3,500 kN in the press with the highest precision, ensuring an optimum forming effect with every stroke.



MSM SERIES - Mobile Forging Manipulators

Our mobile forging manipulators of the MSM Series are the flexible solution for handling forgings under a press or hammer, loading and unloading furnaces and transporting forgings between the furnace and forging presses.



MTM SERIES - Mobile Transport Manipulators

Our free-driving transport manipulators are designed for the transfer of ingots, slabs, ring blanks and rings within the forging shop area, for example to load and unload the furnaces and transfer the forgings quickly and safely between the furnaces and the presses.



CHM SERIES - Charging, Stoking and Distribution Machines

On a furnace platform space is usually very limited. The special design of the lever system makes our CHM Series machines extremely compact and space-saving.



SAM SERIES - Deslagging Machines

The skimming machines of the SAM Series optimize the deslagging process and increase the steel yield.



PST SERIES - Laser-based Sizing of Pipes

The new Pipe Sizing Technology drastically reduces the time required for sizing and achieves unprecedented levels of precision. At the same time, it enables complete documentation of the inner contour.



www.dds-in.com

■ DARLING PUMPS PVT. LTD.

DARLING PUMPS is a leading Indian manufacturer of submersible pumps, an ISO-9001:2015 company, founded in 1982 under the leadership of Late Shri Avinash B Ranade.

DARLING PUMPS
Designing SMART pumping solutions...

Darling Pumps with its market expertise of over 42 years has been the chief architect of submersible pump revolution in India. It is the only indigenous pump manufacturing company having entire range of Submersible Pumps under one roof i.e. Pumps for Clear water, Raw water, Dewatering, Waster

water & Sewage, Effluents, Slurry Handling etc. with specialised range of pumps for pumping Hot Temperature liquids up to 90° C & for pumping Sea Water & aggressive liquids.

In over last two decades Mr. Sandeep Naolekar – Managing Director, with his true grit and determination, has taken company to greater heights. In short span, Darling Pumps has evolved from being a pump manufacturing company to One stop pumping solution provider.

Today, Darling Pumps is recognized for its undisputed capabilities of – “Designing SMART Pumping Solutions” –

S – Simple, M – Maintainable, A – Affordable, R – Reliable, T – Trustworthy

Today, with its unmatched range of products, Darling Pumps caters to entire spectrum of applications in arena of Construction, Mines, Industrial, Marine, Municipal, Agricultural and Domestic water management.

MINES DEWATERING PUMPS

- Flow - Up to 14770 LPM
- Head - Up to 185 m
- Rating - 11 kW to 90 kW
- Frequency - 50 Hz
- Power Supply - Three Phase, AC
- Motor Type - Dry Type
- Synchronous Speed - 2 Pole & 4 Pole
- Solid Passage – Up to 16 mm



Applications: Mine Dewatering, Process Water Pumping, Slurry Transport, Underground Mining, Tailings Management, Emergency Pumping, Pit Dewatering, Water Supply, Pump Stations, Sump Pumping & Many More Similar Applications

SLURRY HANDLING PUMPS

- Flow - Up to 18000 LPM
- Head - Up to 100 m
- Rating - 3.7 kW to 186 kW
- Frequency - 50 Hz
- Power Supply - Three Phase, AC
- Motor Type - Wet Type / Dry Type
- Synchronous Speed - 4 Pole & 6 Pole
- Specific Gravity - Up to 2.8
- Solid Passage – Up to 40 mm



Applications: Highly Abrasive Mill Scale, Iron Ore & Pallet Slurries, Mineral Ore Processing Units, Ash & Coal Handling, Slag Slurry, Granite & Marble Slurry, Industrial Waste Removals, Cleaning of Jack/Intake Well, Removal of Sand Deposits & many more similar applications

DEWATERING PUMPS

- Flow - Up to 20000 LPM
- Head - Up to 140 m
- Rating - 0.55 kW to 150 kW
- Frequency - 50 Hz
- Power Supply - Three Phase, AC
- Motor Type - Wet Type / Dry Type
- Synchronous Speed - 2 Pole & 4 Pole
- Solid Passage – Up to 16 mm



Applications: Storm Water Dewatering, Dewatering of Heavily Contaminated Water, Industrial Water, Flood Relief, Dam Sites, Road & Bridge Building, Micro Tunneling Projects, Mines Dewatering, Sea Water Pumping & many more similar applications

WASTE WATER & SEWAGE PUMPS

- Flow - Up to 35000 LPM
- Head - Up to 100 m
- Rating - 0.37 kW to 261 kW
- Frequency - 50 Hz
- Power Supply - Three Phase, AC Single phase up to 2HP
- Motor Type - Wet Type / Dry Type



- Synchronous Speed - 2, 4, 6 & 8 Pole
- Solid Passage - Up to 100 mm

Applications: Raw & Un-screened Sewage, Industrial Wastes & Effluents, STP & ETP Plants, Municipal Sewer Lines, River Cleaning Projects, Pharmaceutical, Textile & Tanning Units, RO Reject / Desalination & many more similar applications

CLEAR & RAW WATER PUMPS

- Flow - Up to 25000 LPM
- Head - Up to 170 m
- Rating - 2.2 kW to 300 kW
- Frequency - 50 Hz
- Power Supply - Three Phase, AC
- Motor Type - Wet Type / Dry Type
- Synchronous Speed - 2 Pole & 4 Pole



Applications: River Water Pumping, Intake Water Supply for Various Industries, Water Treatment Plants, Sea Water Pumping, Irrigation & Water Supply Projects, Fire Fighting, Flood Control & many more similar applications

www.darlingpumps.in



DCS TECHNO SERVICES PVT. LTD.

DCS Techno Services Pvt Ltd – A Delta Group Company. Established in 1997, we specialize in the sales and upkeep of construction, mining equipment, and drilling systems. We have been proud partners with KENNAMETAL (USA) for the past 27 years, a global leader in TCB drilling tools for construction and mining applications.



DCS is a rapidly developing organization, specifically focused on the infrastructure segment, which is witnessing tremendous growth in our country. Over the past 22 years, we have expanded our portfolio to offer a wide range of infrastructure-related solutions, enabling us to drive future growth for our company.

OUR PRODUCT AND SERVICE OFFERINGS

We market and support a diverse range of products from trusted global brands, including:

- Kennametal (USA) – Foundation Drilling, Road Milling, and Surface Mining Tools.
- Turbo Pre Cleaners
- Dynaset
- Organic Waste Composers
- Solar Panel Cleaning attachment
- Rock Wheels
- Sewage Treatment Plants
- Underground Mining Tools

A WIDE NETWORK AND SERVICE COVERAGE

DCS has established a strong presence across all major metro cities in India, including Mumbai, Kolkata, Chennai, Bengaluru, Hyderabad, and New Delhi, along with numerous spoke locations. We also operate six strategically located warehouses in Hyderabad, Mumbai, Bengaluru, Chennai, Delhi, and Trichy. We take great pride in maintaining impeccable records through our CRM system, ensuring timely follow-ups and on-time delivery and maintenance, in line with our commitment to excellence.

ONE-STOP SOLUTION PROVIDER

DCS is your comprehensive partner for construction, infrastructure, and mining solutions. From simple projects to turnkey solutions, we handle everything from initial consultations, product selection, erection, and dismantling to expert advice and on-site visits to tailor the best solution for your needs. We offer both new and used products, as well as rental options, to cater to every requirement.

TRUSTED BY LEADING INDUSTRY PLAYERS

We are proud to serve over 400 customers, including major organizations such as L&T, Dilip Buildcon, ITD Cementation, Afcons Infrastructure, Ocean Constructions, Singareni Collieries, Eastern Coal Fields, BEML, JSW Southwest,

Schwing Stetter, Reliance Sasan, Dalmia Cements, ACC Cements, Rajashree Cements, Birla Cements, Ambuja Cements, India Cements, and RTPS.

www.dcstechno.com

DEEPAK MINING SOLUTIONS LTD.

Deepak Mining Solutions Limited, a 100% subsidiary of Deepak Fertilizers and Petrochemicals Corp. Ltd., is a market leader in the manufacturing of Technical Ammonium Nitrate. At Deepak Mining Solutions, we are committed to providing not only best-in-class products but also innovative solutions tailored to meet the unique challenges of the mining industry. Our comprehensive services include scientific studies, mine productivity improvement, blast nuisance control, and customized solutions for complex mining challenges.

Sustainability lies at the heart of our operations. By leveraging our expertise and advanced technology, we are uniquely positioned to develop safer, more sustainable solutions. As a leading global manufacturer of Ammonium Nitrate and a specialist in comprehensive blasting solutions, we are dedicated to delivering top-quality products and services. Our skilled professionals, equipped with cutting-edge software and equipment, ensure optimal results in planning and execution, managing the entire supply chain and addressing the specific needs of each mining operation.

OPTIMEX

- To manufacture ANFO explosives
- In Underground Metalliferous mines for stope and shaft blasting
- It's low density and high porosity product
- Good oil absorption and high detonation speed
- Advantageous in dry or dewatered holes
- Brands: - OPTIMEX®, OPTIMEX-PLUS®, VERTEX SUPER®



OPTIFORM

- To manufacture high-quality emulsion and slurry explosive
- Uncoated HDAN can easily be mixed with water to form Oxidizer solution
- Brands: - OPTIFORM®, VERTEX NORMA®



OPTISPAN

- To manufacture Anesthetic Gas (N2O) for application in pharmaceutical industry
- Brands: - OPTISPAN®, VERTEX SUPREME®



AMMONIUM NITRATE SOLUTION

- To manufacture ammonium nitrate-based emulsion products

www.dfpcl.com

DIGITAL WEIGHING SYSTEMS PVT. LTD.

Digital Weighing Systems Pvt Ltd, headquartered in Bilaspur, Chhattisgarh, is a privately held company founded in 1994 that specializes in the design, manufacture, and servicing of advanced electronic weighing solutions. ISO 9001:2015 certified, our firm boasts over 28 years of experience and more than 200 skilled engineers and technicians delivering tailor made systems



across industries.

We offer a comprehensive product portfolio: static and in motion rail weighbridges (up to 300 MT), road weighbridges, unmanned weighbridge systems, onboard weighing systems, belt and bin weighers, and spare parts and accessories. Digital is credited as the first Indian company to develop indigenous in motion rail weighbridges without foreign collaboration, leveraging its R&D center in Chennai alongside its Bilaspur manufacturing base.

Our systems emphasize durability, precision, corrosion resistance, and compatibility with ERP and FOIS integration. Our company has earned multiple national awards for quality, innovation, and entrepreneurship from the Government of India and Government of Chhattisgarh & Madhya Pradesh.

Electronic Road Weighbridge comes with customise size like 9X3M, 12X3M, 16X3M, 18X3/4meter etc.

Capacity: 20MT up to 200MT.

Type: Analog or Digital



ELECTRONIC RAIL IN-MOTION WEIGHBRIDGE (RDSO APPROVED)

The Electronic Rail In-motion Weighbridge is RDSO-approved, ensuring compliance with Indian Railways' stringent standards. It accurately weighs moving rail wagons without halting, enabling efficient and continuous freight management. This approval signifies high reliability, precision, and safety, making it essential for railway logistics and large-scale material transport across the country.



ON-BOARD WEIGHING SYSTEM:

An On-Board Weighing System is integrated into vehicles to measure load weight in real-time during transit. It enhances efficiency, ensures legal compliance, prevents overloading, and improves safety. Commonly used in trucks, loaders, and dumpers, it provides accurate data, reducing the need for external weighbridges and streamlining logistics operations.



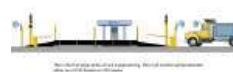
ROAD IN-MOTION WEIGHBRIDGE (AXLE WEIGHING SYSTEM)

A Road In-Motion Weighbridge weighs vehicles while they are in motion, without stopping. It ensures fast, accurate axle and gross weight measurement, enhancing traffic flow and reducing wait times. Ideal for highways, toll plazas, and logistics hubs, it improves efficiency, compliance, and overload detection in real-time.



UN-MANNED ROAD WEIGHBRIDGE WITH SMART WEIGHING SOLUTION (ALSO COMPATIBLE FOR EXISTING ROAD WEIGHBRIDGE):

The Un-manned Road Weighbridge with smart weighing solution offers automated vehicle weighing without human intervention. Integrated with RFID, ANPR, boom barriers, and sensors, it ensures accurate, efficient, and tamper-proof operations. Real-time data, QR-code receipts, and remote monitoring enhance transparency, reduce manpower, and support seamless logistics and compliance.



STATIC RAIL WEIGHBRIDGE:

A static rail weighbridge is a precision instrument used to measure the weight of stationary railway wagons. Installed on railway tracks, it ensures accurate axle and total weight calculation, helping monitor load limits, prevent overloading, and maintain safety and compliance in rail transport operations. Ideal for industrial and freight applications.



www.digitalweighingsystems.com

DLA EQUIPMENTS PVT. LTD., NAGPUR

DLA Equipments Pvt. Ltd. manufactures mining safety equipments for mining. Inherent in these applications is a paramount need to protect personnel, facilities, and production and to comply with safety requirements.



We would like to take an opportunity to introduce our self as a manufacturer of DGMS recommended safety equipments / quality products as per their safety norms and specifications.

We are feeling proud to inform you that we are a pioneer of this segment and involved in this business since long time.

Our Automatic Fire Detection & Suppression System (AFDSS) meets all requirements as per DGMS (Tech) Circular No. 06 of 2020, Dhanbad, dated 27/02/2020. We are happy to introduce "Multi Zone Automatic Fire Detection and Suppression system" which we have developed indigenously.



Our IoT Based Automatic Fire Detection & Suppression System (AFDSS) meets all requirements as per DGMS (Tech) Circular No. 06 of 2020, Dhanbad, dated 27/02/2020. We are happy to introduce "Zone Specific Automatic Fire Detection and Suppression system" which we have developed indigenously.



Our Proximity Warning System Radar Based meets all requirements as per DGMS (Tech) Circular No. 06 of 2020, Dhanbad, dated 27/02/2020. Mining Operation Involve the use of large vehicle that demand robust safety solution. The proximity warning system radar based is a state-of-the-art safety system for preventing accidents of Mining vehicles such as dumpers providing real time object detection with visual and audio alert. This system enhance operator awareness, ensuring a safer working environment in the often hazardous mining sector.

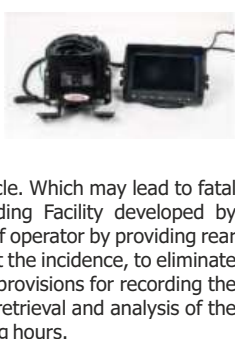


As per DGMS guidelines, records warning provided with time stamp to enable easy retrieval and analysis of the immediate past 96 deployment operating hours.

- Flasher Light is provided outside of the cabin to alert surrounding workmen and machine operators.
- Some specially coated corrective lens (inc. much thicker ones) and/or sunglasses can reduce the recognition rate.
- When hair blots out the eye, the device may make the Alarming as fatigue function.
- Due to strong sunlight straight on the device (from side windows) or on driver's face (from front windshield), the device may reduce the recognition rate.



While reversing HEMM like dumpers and tippers used in mining are not free of the possibility of hazardous accidents at the rear end. Several accidents have occurred in open cast mines while reversing equipment. Though Audio - visual alarm and rear-view mirrors are safety items available to control this kind of accidents, but they do not give clear view of the rear side of the vehicle. Which may lead to fatal accidents. The Rear Vision System with Recording Facility developed by Automation Controls not only enhance the vision of operator by providing rear view, also provides the added advantage to re-visit the incidence, to eliminate the cause of Accident. The System provided with provisions for recording the images captured with time stamp to enable easy retrieval and analysis of the immediate past more than 24 deployment operating hours.



While driving many drivers do not dip the head lamps of their vehicles in night while approaching. To dip the head light repeatedly may distract the concentration. To overcome this type of problem, Automation Controls have developed an electronic gadget called "Auto Dipper". DGMS vide Circular No. 5 of 2010 has instructed to install Auto Dipper System in every vehicle. Automatically Performs its function of dipping of the head light beam and restoring of



the same. Withstands shocks & vibrations of HEMM. Only Fire-retardant conduit pipes are used for the safety of Harness. Restores the head light beam within 2 seconds when vehicle from opposite direction passes. Operates ideally on 24 Volt DC (12Volt DC optional)

DGMS has observed that the maximum number of fatal accidents occur during reversing of Surface Transport Machineries in open cast mines and to reduce accidents vide their circulars, made it compulsory to install Audio Visual Alarm in every H.E.M.M. & Surface Transportation Machineries used in Mines. We are pioneer manufacturer of AVA and our AVA is used by almost all the OEMs. Our AVA fulfils all DGMS technical specifications with testing parameters issued vide DGMS.. Our AVA is 100% Water Proof. It even works after totally immersed in water. Manufactured as per IP 67 (Tested by Govt. Lab) Two synchronized speakers (110dB sound from 1.2 Meters) 400 LUX Bright focus type Red LED Operates ideally on 24 Volt DC (12 Volt DC optional)



We have developed equipment named as "Seat Belt with Reminder. Seat Belt is a safety device used to secure the operator of a vehicle against a collision or a sudden stop. Seat Belt functions to reduce causality or serious injury. It is provided with Inertial Locking mechanism It is protected from dust and mud of the polluted environment of mines. If Operator forgets or does not fasten it, "Seat Belt Reminder" alert him with Visual Indicator and also remind him in Hindi, Operates ideally on 24 Volt DC (12Volt DC optional)



Our TPMS is designed to handle the Rigors of the harsh environments at mines (Open Cast & Underground), quarries, construction sites, terminals/ports to provide accurate and reliable monitoring of tire pressure and temperature This system is consisting of one displayer and 6 sensors. Sensors collect the tyre data and send to the monitor in wireless transmission, the monitor displays the data and alarms according to the user's. Actual setting for the pressure and temperature to avoid an accident. This system improves driving comfort, fuel economy, prolong tyre life and most importantly it avoids costly downtime on commercial projects due to tyre failures. Warnings / Alerts: It gives High pressure alert, Low pressure alert, High temperature alert, Fast leakage alert and Sensor low battery alert.



We have developed an ABS System, comprising three different functions in one control Unit. Auto Dipper Body Lifting Indicator Seat Belt with Inertial Locking Mechanism and Switch for Alert. ABS System decreases manual operations and increases operators working efficiency. This system covers three different in one as per to fulfil instructions by DGMS wide circular.

As per DGMS, while reversing the vehicle Fatal accident can be avoided and safety can be achieved for the person standing behind the moving vehicle. Automation Controls have developed Smart Rear View Alarm (SRVA) as per DGMS Circular, by compiling two different systems (Audio Visual Alarm and Rear Vision System) 1. Gives Audio-Visual Alarm to alert the person standing behind to move to a safe place 2. While reversing vehicle operator can see the clear Rear-View so that he can control the vehicle and apply the break immediately when required..



Operators of HEMM, while operation, doesn't know the position of the dump body, whether it is in high or low position. If dumper moves in body lift position, overhead HT Lines may break or hydraulic system may collide and cause a fatal accident. To avoid an accident, we have developed an electronic safety device BODY LIFT INDICATOR which gives an indication to the operator and also alerts in HUMAN VOICE. DGMS vide Circular No.5 of 2010 has instructed to install Body Lift Indicator in every vehicle.



■ DODGE INDUSTRIAL INDIA PVT. LTD.

A Legacy of Innovation; Driven by Entrepreneurial Spirit



Since 1878, Dodge has been discovering solutions that make industry operations easier. From the Independence Split Wood Pulley to Smart Sensors for mechanical products, our innovations have evolved to push entire industries forward. Every day, we honor the legacy of innovation that originated with our founder, Wallace Dodge. And we eagerly continue looking ahead to what we can achieve next.

OUR MISSION:

Reliably equip our customers with the safest, highest quality mechanical power transmission solutions to achieve their strategic goals. We don't just make products. We provide expert solutions.

When you work with Dodge, you get more than just a piece of high-quality equipment. You get engineering guidance and solutions from our industry and application experts who know how to help facilities run more safely and efficiently. For over 140 years, we have built a strong foundation of industry leadership, innovation, and best-in-class service—all part of the Dodge legacy.

OUR PRINCIPLES:

- Be solutions-centric.
- Honor the legacy.
- Do things the right way.
- Keep looking ahead.

OUR PRODUCTS

Designed for safety and reliability. Built for quality and durability. Dodge products are made for peak production under any conditions. Explore our offerings and find the best solutions for your manufacturing needs.

- Mounted Bearings
- Enclosed Gearing, CST Drives
- Mechanical Drives, Couplings, & Conveyor Components
- IIoT Technologies

MOUNTED BEARINGS - Fully-assembled bearings, ready for industrial use:-

Dodge bearings offer innovative designs, patented features, and consistent performance with a wide range of shaft attachment methods, rolling elements, housings, and seal choices.

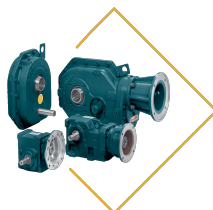


- MOUNTED BALL BEARINGS
 - Set Screw
 - Eccentric Collar
 - Grip Tight
 - Washdown (Foodsafe, Ultra Kleen and E-Z-Kleen)
 - Extreme Duty
 - Agriculture Duty
 - D-Lok
- Mounted Spherical Roller Bearings
 - S-2000
 - Safety Mount
 - USAF
 - Imperial
 - Hydraulic ISAF
 - Unisphere II
- Mounted Tapper Roller Bearings
 - Type-E
 - TAF
 - Type K
 - Type-C
 - Type EXL
 - Double Interlock
 - Special Duty
 - Hinged Cap
- Mounted Hydrodynamic Bearings
- Mounted Plain Bearings and
- Take-Up Frames

ENCLOSED GEARING - Engineered for Reliability:-

Dodge enclosed gear products deliver industry-leading performance in some of the most demanding applications, featuring innovations that provide customers maximum up time with less maintenance.

- TXT® Introduced in 1949 as the first shaft-mounted reducer.
- Torque-Arm II
- Quantis®
- Motorized Torque-Arm
- Tigear®-2
- Maxum® XTR
- MagnaGear XTR®



CST DRIVE - Control Start Transmission Drive

CST Drive is a two-in-one gearbox that combines a planetary gear reducer in the input side with a multi-plate clutch system in the output side and is

controlled by a PLC. This configuration creates an efficient transmission of motor power / torque resulting in a smooth start-up and shutdown of the conveyor; regardless of the load. The CST eliminates shock waves, minimising stress on other drive components.

CST Drive in belt conveyors offers unique advantages like:

- It delivers just enough torque to the pulleys so that the conveyor always starts in a preset time under any loading condition. The conveyor will face peak tensions rarely and only when needed.
- It greatly enhances life of all the conveyor components.
- It reduces belt stretch and take up travel.
- It helps in achieving excellent load sharing amongst multiple drives in belt conveyors.
- The hydro-viscous clutch at low-speed-end absorbs load shocks and therefore protects the motor, bearings, gearbox from the transient forces of the conveyor system. This inherent torque-limiting feature of the clutch arrangement protects the components in the conveyor system from overload.
- Proven long service life



MECHANICAL DRIVES, COUPLINGS, & CONVEYOR COMPONENTS

A worldwide reputation for reliability and quality:

Whether you are looking for mechanical drive components, couplings, or conveyor components, Dodge products maximize uptime in any application—allowing customers to meet their growing demands.

- Mechanical Drive Components- V-Belt Sheaves
 - V-Belts
 - Synchronous Sprockets and Belts
 - Roller Chain Sprockets
- Couplings
 - Elastomeric Couplings
 - Metallic Couplings
- Conveyor Components
 - Drum Pulleys
 - Wing Pulleys
 - Lagging
 - Bushings and Hubs



IIOT TECHNOLOGIES

Complete powertrain condition monitoring for your operations.

OPTIFY™, portfolio of innovative Industrial Internet of Things (IIoT) solutions for complete powertrain condition monitoring, allows you to easily monitor the health of your equipment plant-wide—empowering you to operate safely, identify potential failures, and proactively schedule maintenance.

- Platform
- Intelli-Lube™
- Gateways
- Performance Sensor
- Breather



www.dodgeindustrial.com

■ DRISHTI POWERTECH LLP

Drishti Powertech LLP, a key brand within the India-based global enterprise IKDOR Group, is dedicated to becoming a globally recognized, value-driven partner. Headquartered in Kolkata, Drishti excels in providing comprehensive, multi-vendor solutions to its international business associates.



As a leading supplier of bearings and accessories, Drishti Powertech has established itself as a top performer and preferred partner for major steel industries. Beyond steel, our products are widely trusted by diverse industrial clients across both government and corporate sectors.

Our strategic network of techno-commercial teams and robust inventory capabilities ensure rapid service delivery, providing a distinct competitive advantage. We are committed to delivering excellence and building lasting

partnerships.

ACTIVITIES:-

DRISHTI POWERTECH IS THE AUTHORISED INDUSTRIAL DISTRIBUTORS FOR THE FOLLOWING PRESTIGIOUS BRANDS:

SKF	:	PRECISION MOTION CONTROL
REGAL REXNORD	:	POWER TRANSMISSION SOLUTIONS
ROSSI	:	POWER TRANSMISSION SOLUTIONS
ATLAS COPCO	:	TOOLS & EQUIPMENT
SNAPON	:	TOOLS & EQUIPMENT
KITO	:	LIFTING SOLUTIONS
TYROLIT	:	GRINDING & CUTTING SOLUTIONS

WE ALSO HAVE DESIGN & MANUFACTURING OF EQUIPMENT FOR METAL, MINING & OTHER INDUSTRIES.

www.ikdorgroup.com

■ DUST-A-SIDE HINCOL LTD.

DUST-A-SIDE HINCOL is a 50:50 joint venture between DUST-A-SIDE and HINDUSTAN COLAS and offer dust control solutions from pit to port across the mining and mineral processing value chain, quarry operations, oil and gas, construction projects and civil infrastructure networks.

Our solutions are proven to reduce dust considerably helping our customers reduce their overall dust emissions and occupational exposure limits for a healthier workforce and workplace, and significantly reduce use of water in the control of dust emissions, fuel consumption and tyre wear.

We deliver a suite of application services to support our solutions and ensure client's benefit from safety improvements and unlock reduced operational costs, adopting cutting edge technologies and we believe demonstrating these reductions is the key to sustainable solutions.

ROAD MANAGEMENT SERVICES

We are one of the largest providers of haul road and dust control management solutions to the mining industry in the world. This includes personnel, training, plant & equipment, dust suppression products, technology and systems. DAS Product is a bespoke dust control product developed especially for the mining industry, using proprietary bitumen emulsion technology. It has been proven to control fugitive dust, as well as stabilize the wearing course layer on permanent haul roads at mining sites throughout the world.



HIGH PRESSURE MIST SYSTEMS

Dust suppression systems or DSS (also known as misting systems) deploy high pressure (50 bar) and low volume of water in the form of an atomised mist to capture dust that is already airborne and bring it back to the source through agglomeration, thus reduces respirable dust, minimises conveyor slippage, eliminates excessive moisture content in the material/ore, reduces chute/screen blockages, improves housekeeping standards and increases safe work areas during operation. The technology's effectiveness in capturing respirable airborne dust and the method's ability to cover specific areas, results in minimal use of water and chemicals.



AIR QUALITY MONITORING

The DASH monitoring device is a robust dust monitoring solution with a highly expandable live feedback functionality that can give a broad spectrum of data such as, wind speed, wind direction, temperature, humidity, GPS, rain metering and dust sensing (PM 2.5, PM10). The information on the dashboard can be monitored live on-site and managed off-site for reporting



purposes. This is a cost-effective dust monitoring solution, which eliminates human error and resources spent on data collection, processing, and quantification, through the provision of real-time feedback, allowing you to take proactive steps to manage dust levels.

ROAD PERFORMANCE EVALUATION TOOLS

The diagnostic evaluation of all dust-generating sources in mining and mineral processing activities aid the design, implementation, and management of dust suppression solutions. Road condition monitoring & reporting systems help prioritize maintenance schedules through live and remotely accessible data. Through continuous monitoring the quantification of the value added by these solutions are made possible.



FOG CANNONS

Fog cannons are an effective option for dust suppression in open areas that require a large reach such as mine sites, quarries, construction sites, demolition sites and other industrial areas. Fog cannons are mobile and can be fixed on a trailer or skid and oscillate which is ideal for changes in wind direction or dust-generating activities. Highly pressurized water is pumped through a series of jet nozzles which is dispersed through the air by a powerful fan, turning water into mist through atomisation. This effectively matches visible and respirable dust particle sizes for effective, large scale, dust suppression.



AQUA TARP

An ideal solution for hard park areas, stockpile sealing, and material transit sealing. This is a synthetic polymer binder that forms a waterproofing layer on treated surfaces, reducing soil erosion and dust emissions. It is effective in stabilizing permanent and semi-permanent surfaces and maintaining dust control during dry seasons, and once cured does not leach.



HYDROTAC

Designed for non-permanent surfaces, light vehicle roads, and stockpile dust suppression. An environmentally friendly, non-toxic and non-hazardous lignosulphonate binder suitable for use with a variety of materials with compositions and characteristics, that binds material to prevent dust emissions and reduce gravel loss.



www.dustasidehincol.in

■ DYNASET OY

Dynaset - Partner of Your Machine

Dynaset manufactures hydraulic- and electrically driven equipment that utilizes the power of your work machine to produce electricity, high-pressure water, compressed air, vacuum, magnet power, and more. Our products are designed to integrate directly with mobile machinery such as excavators, trucks, and mining machinery-boosting efficiency and functionality without the need for separate power sources.



PARTNER OF YOUR MACHINE

Headquartered in Finland, Dynaset serves a wide range of industries including mining, construction, demolition, and infrastructure. For the mining sector, we offer robust solutions like hydraulic and electric compressors, dust suppression systems, and lifting magnets that support safer and more productive operations in tough environments.

With over 35 years of experience and a strong global dealer network, Dynaset is the trusted partner for upgrading the performance of mobile machinery- wherever your work takes you.

HG HYDRAULIC GENERATORS

Dynaset HG Hydraulic Generators convert hydraulic power into high-quality

electricity for tools, lighting, and equipment. Available in a wide power range from 3.5 kVA up to 350 kVA, HG units are compact, maintenance-free, and integrate easily into any mobile machine.

HK HYDRAULIC PISTON COMPRESSORS

HK Hydraulic Piston Compressors generate compressed air from your machine's hydraulics. These durable, powerful compressors are perfect for pneumatic tools, cleaning tasks, and maintenance work—even in the most demanding mining and construction environments.

HPW HYDRAULIC HIGH PRESSURE WATER PUMPS

Dynaset HPW Pumps convert hydraulic power into high-pressure water—ideal for high pressure washing, dust suppression, hydro scaling, and more. Available with operating pressures from 90 to 1600 bar, they are compact, durable, and easy to install on any mobile machine.

HPW-DUST HIGH PRESSURE DUST SUPPRESSION SYSTEM

The HPW-DUST system uses high-pressure water mist to suppress dust effectively at the source. It's perfect for use with excavators, crushers, and other mobile machinery in mining, demolition, and bulk material handling applications where dust control is essential for safety and visibility.

EKR ELECTRIC SCREW COMPRESSORS

Dynaset EKR Electric Screw Compressors provide reliable, continuous compressed air for electric-powered machinery. Operating at up to 10 bar, they are built for integration into machines where compact size and efficient performance are essential.

EPW-DUST HIGH PRESSURE DUST SUPPRESSION SYSTEM

EPW-DUST offers efficient dust suppression using an electric-driven pump system. Ideal for crushers, electric machines, and stationary equipment, it provides a water-efficient solution for reducing airborne dust in mining, recycling, and industrial applications.

www.dynaset.com



■ EARTH TEKNIKS PVT. LTD.

Earth Tekniks was established in 2004 and is a leading industrial solutions provider based in Chennai, India. We specialise in designing and building custom hardware and software solutions to address manufacturing challenges. Our expertise spans advanced fluid quality monitoring, wear debris analysis, ferrous debris monitoring, moisture measurement, thermal management, oil and gas equipment, vibration analysis, and industrial automation. We serve a wide range of industries, including pulp and paper, cement, power, pharmaceuticals, and steel. For the past two decades, Earth Tekniks has been a trusted partner for manufacturers seeking efficient and high-quality production. We combine innovation with a strong focus on quality and customer satisfaction to deliver tailored solutions that empower your success.

OIL QUALITY SENSORS

Our Oil Quality Sensors are the industry's most advanced online oil monitoring solutions, engineered to eliminate the need for periodic oil sampling. Developed over 15 years in collaboration with leading global operators, these sensors provide real-time insights into oil health, enable early detection of reliability issues, and



support condition-based oil changes. As a result, they help extend oil life, project remaining useful life (RUL), and drive significant cost savings, making them the gold standard in modern oil reliability programs.

WEAR DEBRIS MONITOR

Our Wear Debris Monitor is an advanced, real-time, in-line sensor that detects, sizes, and categorizes both ferrous and non-ferrous metallic wear debris in lubrication systems—enabling the earliest possible detection of mechanical faults. With industry-leading sensitivity (detecting particles as small as 40 microns for ferrous and 150 microns for non-ferrous), it provides unmatched insight into asset health. Used as a life extension tool, Trident allows operators to slow fault progression, optimize maintenance, and extend asset life—delivering over 1,000% ROI while helping reduce the expected 40% rise in O&M costs.



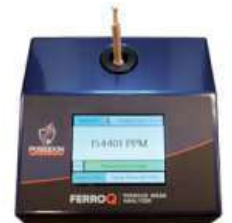
BREATHERS

Our Breathers are robust and versatile solutions designed for a wide range of stationary fluid management applications. Engineered with industrial-grade materials, they offer reliable protection against moisture and airborne contaminants. Available in various sizes and configurations, these breathers use 100% silica gel for moisture adsorption, 100% activated carbon for odour and fume control, or a combination of both. Featuring a durable ABS construction and a clear acrylic tube, the D-Series allows easy visual monitoring of the silica gel, which changes from gold to dark green to indicate saturation, ensuring optimal performance and peace of mind.



FERROUS METAL DEBRIS MONITOR

Our Ferrous Metal Debris Monitor is a compact, free-standing solution for precise, repeatable, and accurate detection of ferromagnetic material concentration in oil samples. Designed for rapid and user-friendly operation, it offers exceptional sensitivity with a detection range of up to 3,500 mg/L. Its cost-effective performance makes it ideal for routine on-site monitoring as well as advanced condition monitoring in specialist laboratories, providing reliable insights for predictive maintenance and equipment health.



MULTI-SENSOR SYSTEMS FOR ADVANCED FLUID QUALITY MONITORING

Our Multi-Sensor Systems for Advanced Fluid Quality Monitoring provide a comprehensive solution for real-time, online assessment of lubricant condition. Designed for customisation, these systems integrate a range of sensors—including an Oil Quality Monitor, Wear Metal Sensor, Online Viscometer, and Water Contamination Monitor—to deliver accurate, continuous insights into fluid health. Housed in a robust NEMA 4 enclosure with external interfaces for fluid, power, and communication connections, the system ensures seamless integration. An optional embedded computer manages data acquisition, storage, and communication, making it an ideal choice for critical fluid monitoring applications.



www.earthtekniks.com

■ EASTERN BEARINGS PVT. LTD.

ARB is a brand associated with top notch quality and world class services. Since last three decades, ARB is a trusted brand in automobile, industrial machinery and household appliances. With experience of over 30 years, we have been able to define perfection in manufacturing and processing techniques to meet our client's requirements in form of providing them the best and reliable quality. ARB has been well equipped with automatic plants, modern and sophisticated machineries to provide perfect technology to



its clients.

We are "Make in India" Brand having three manufacturing plants along with warehouses located in National capital

Region Delhi, India, India. Apart from Delhi, we do have our factory outlets located in different areas in India.

We are manufacturing more than 2500+ sizes of bearings, production capacity of 24 million bearings per annum, capability to manufacture biggest Dia Bearings in India up to 900 mm dia. The Turnover of our company is 600+ Cr with 5000+ customer base.

SPHERICAL ROLLER BEARING

- High Load Carrying Capacity
 - Heavy Radial Loads/Impact Loads
 - Moderate Axial Loads
 - Different Series Carry Different Ratio of Radial and Axial Loads
- Fair Speed Capability
- Can Take Misalignment
 - Up to 11/2 o
 - No Loss in Capacity
- Typically Two-Rows



SLEWING BEARINGS

Slewing bearings, also known as turntable or slewing bearings, are specialized rotational components that allow for smooth, precise rotation under heavy loads, finding use in applications like construction machinery, wind turbines, and robotics.



Key Features:-

High Load Capacity: They are designed to handle heavy loads, making them suitable for applications where significant weight needs to be rotated.

Smooth Rotation: The rolling elements minimize friction, ensuring smooth and controlled rotation.

360-Degree Rotation: They allow for continuous rotation, essential in many applications.

INDUCTION HEATER

Place the induction heater at your convenient place and keep your bearing to get mounted. Before starting the Induction Heater please put a wooden pallet below it. Plugged in the wire and start the induction heater. Place the grease oil in the point of contact of the yokes, and then smoothly place the bearings onto the yoke and then place the yokes and make the loop closed and then only.



HYDRAULIC BEARING PULLERS

Hydraulic Bearing Pullers range is developed to reduce the risk and ease the maintenance with improved efficiency. ARB offers a wide range of bearing pullers for various types of pulls. The range includes hydraulic pullers from 5 Ton to 50 Ton of high withdrawal forces. These pullers are suitable for dismounting of Bearings, Gears, Coupling and other mechanical components.



INDUCTION HEATER FOR DISMOUNTING COMPONENTS

Features:

- Auto Demagnetization with ALARM & "DMAG" on display for 6 sec. After Every Heating Cycle.
- Feature touches for different sizes of races in case of Power Failure/Off.
- Memory backup for different sized of races in case of Power Failure/Off.
- Memorial Reprogramming for 20 program full life of the Equipment.
- IGBT based controls to Operated on Medium or High Frequency or High Frequency Min 10 KHZ.
- Soft Start/Stop, Auto ramping no surge in line.
- Auto Display Indication in case Error.



FOUR ROW TAPPER ROLLER BEARINGS

Four-row tapered roller bearings can accommodate combined (radial and axial) loads at low to moderate speeds. They are used almost exclusively in work roll applications such as rolling mills.



www.arb-bearings.com

EASTMAN CRUSHER COMPANY PVT. LTD.

M/s Eastman Crusher Company Pvt Ltd is a diversified engineering company with core competency in bulk material handling and online analysis solution. M/s Eastman is involved in design, engineering, manufacturing, supply, service and consulting of complete range of Auto Sampling System, Lab equipment, Crushers, Process control equipment, Online analyser, Automation catering several sectors like Mines, Thermal Power Plants, Cement Plants, Aluminium Plants, Mineral process Plant, Integrated Steel Plant and APEX Laboratories of the country in India since more than 40 years. M/s Eastman has also reached to emerging markets across the Globe, e.g; Malaysia, Indonesia, Vietnam, Senegal etc. We successfully executed and became trustworthy supplier to our overseas clients like Hyundai, GE Power, FLsdmith, Tenova, ThyssenKrupp etc. apart from almost all the domestic clients like Coal India, NTPC, Tata Steel, BHEL, SAIL, HINDALCO, MOIL, Reliance, Adani etc. Our factories with state of art facility is based in West Bengal and are capable to manufacture different ranges of material handling equipment to meet growing demand. By the continuous design support and collaboration with reputed institutes/global technology providers, M/s Eastman developed innovative solutions to serve various sectors. It's wide distributor/associates network in domestic and international market serve the client at any location. Apart from it's own products, M/s Eastman also represent Global OEM of high repute for particular products for respective territory in Asia.

Crushers are the machines used to reduce the size of Minerals, rocks, stones, and ore. They are often utilized in aggregates production, construction material recycling and in mining operations. We are designer & manufacturer of Crushing Equipments (e.g. Jaw Crusher, Roll Crusher, Hammer Crusher, Ring Granualtor, etc.) which are used in Production purposes as well as in Mineral testing Laboratories.



Online Coal Ash Moisture & GCV analyser: We proudly present first ever green technology based Online Coal Ash Moisture & GCV analyser. To make systems more reliable and safer, we have introduced latest Dual Energy X-Ray Transmission Technology which is a safe, accurate and highly flexible system for fast and accurate Coal Quality analysis.

This AERB approved system comes with no radioactive waste or debris and also with Zero / NIL radiation leakage at "OFF" condition.



A vibrating screen is formed by a vibrant chassis that supports its surfaces or elements of screening. The screens/sieves serve to classify the different particles by size, starting from a bulk product in a continuous process. The inlet material advances from the part where the screen is fed to the opposite end in which the particles come out separately according to their size, shape or density. We have a variety of Vibrating Screens as required by clients, e.g. Single-Deck, Double-Deck, Multi-Deck etc.



Automatic Cross Belt Sampler collects the materials from the running conveyors with specified time interval without damaging the belt or without losing any characteristic of the materials. Then the sample is discharged through outlet chute for further processing or for sample testing in Lab. Our Sampler is conforming all the



National & International Sample Collection standards.

Material Handling Equipments are everywhere to convey the bulk materials from one side to another side in industries or raw material production plants. For conveying/elevating materials vertically upward we have Bucket Elevators, for conveying fine particles with multiple discharging points we have Screw Conveyors and we also have most commonly used Belt Feeder/Conveyors to move materials in a inclined position.



Online Automatic Sampling System starts with belt top scooper then the materials will fed to a/more crusher through a/more belt feeder and then the crushed materials will go through a sample division system then one of those divisions is collected as final sample & the rest is rejected or fed back to main conveyor through Bucket Elevator & Screw Conveyor. Eastman also designed & installed Modular/Console type sampling systems at many Coal & Power Generations Plants.



The Auger Sampling system

model UNI-Sampler (Patented in USA) was developed by JOHNSON Industry to sample from trucks, wagon/railcars and barges in an easier, faster and less expensive way. This revolutionary technology UNI-Sampler has already gained worldwide acceptance, successfully operating in the United States, China, India, Russia, Ukraine etc with more than 80 nos in installations Worldwide. In India, JOHNSON Auger sampling systems are being operated in leading two companies, e.g; Balco (Korba plant) and KPCL Raichur plant. As a sampling system expert, M/s Eastman has become the license manufacturer of M/s Johnson, USA to produce their Sampling system for supply in Indian customer and export to other countries which is a perfect example of "Atmanirbhar Bharat". (A brief about Uni-sampler is enclosed at Annexure).



- Simple & Rugged Design with quick and easy Installation & operation
- Ability to sample till the bottom of the Truck
- The Primary splitting, crushing and secondary sampling are done within the Auger assembly (patented design)
- Worldwide acceptance

www.eastmancrusher.com



ECODEA PROJECTS & CONTROL PVT. LTD.

Ecodea Projects & Control Pvt. Ltd (Formerly Projects & Control) was established in 1988 to cater to the growing requirement of spray systems & dust management in the country. The company started with manufacturing nozzles for various spray applications. Over two decades, Ecodea has transformed as one of the leading solutions providers for Environmental Engineering Systems like Dust Suppression, Dust Extraction, Odor Control, Humidification & various other spray systems. The Application Engineering Centre and manufacturing facility is located at Behala Industrial Area, Kolkata. With Cold Fog System, we pioneered the concept of Single fluid atomization system in India. This energy efficient fogging technology has been instrumental in replacing expensive, power guzzling bag filters & Dual Fluid Fogging Systems in material handling plants. Our latest endeavour, Patented Fogcannon System addresses specific dust problems, generated during blasting operations in Mines. Another, pioneering effort to eliminate dust explosion problems in mining industry, which is unsolved for decades. Smaller Versions of the equipment comes in mobile version capable for suppressing dust in large open areas. Our quest, for innovative technologies have been further extended with introduction of Perrot-Piston Drive sprinklers. This sprinkler eliminates any strikes & operates



on a piston drive which ensures that the equipment is completely vibration free & zero noise with reduced requirement of structures. Ecodea's two decades of experience in spray engineering & fluid systems has guided company's diversification strategies. From Gas Turbine Inlet Air Cooling System, Odor Control Humidification Systems for various applications & Industries, we are building solutions which are energy efficient & eco friendly.

COLD FOG DUST SUPPRESSION SYSTEM

provides ultrafine Fogging in 1-15 microns without any compressed air. The system comes with patented Ruby-orifice Nozzle with unconditional lifetime warranty & adds only 0.02-0.05% of moisture which is lowest in the Industry and this provides solutions for controlling fugitive dust as per PM 2.5. in Power, Steel, Cement, Ports, Raw and Process Material handling Units.



BARREL MIST AGGLOMERATIVE

Dust Control Solution for large open Areas, BARRELMIST® is also the First Portable equipment that can be mounted on a Trolley/truck/Trailer/ Tower apart from stationary installations on a Tower or a simple Base. EFC generates ultrafine mist with a throw range of 30-500 meters & is ideal for stockpiles, Haul Roads & other open areas in various mining, Coal Handling, Cement applications.



IMPACTJET® - PLAIN WATER DSS SYSTEM

Our multi spray concept deploys over 450+ nozzles which ensures optimum suitability as per the amount of dust generation, All our Nozzles are Zero clog, Drip Free. Ecodea has extensive experience using IMPACTJET for various materials where water addition is not a constraint & the surrounding areas have significant wind velocity. IMPACTJET Plain Water Spray Systems uses low in pressure to generate Fine Spray which is effective suppression of Visible Fugitive dust.



SPRINKLING & CONTAINMENT SYSTEMS

Solid Jet from Sprinklers is ideal for Pre-Wetting of Stockpiles and Haul Roads of the Mines. Ecodea has huge experience in delivering systems with right throw, overlapping in consideration with the drying time, Sprinkling System, can substantially reduce wind blow-offs.



AUTOMATIC WHEEL WASHING SYSTEM

helps you to attain total control on the scattering dust problems created by Vehicle movements. This One Body, Modular Systems helps you to attain complete hygiene and clean roads with unlimited re-locations. Daekum Technology comes with a lower Water & Power consumption guarantee apart from excellent washing arrangement, debris shredding arrangement, Built-in- scraper Conveyor & Water Recycling System.



ECODEA WASTE WATER EVAPORATORS

involves several stages to isolate and purify the waste waters. Evaporation falls into the concentration stage of downstream processing and systems can be a low cost addition when considering zero discharge options at your site. The goal of evaporation is to vaporize most of the water from a solution containing waste. Gray water can be dry often more than 85% water. Mechanical Evaporation is 14 times faster than natural solar evaporation. The solution containing the desired product is fed into the evaporator and get launched or pulverized into the blue sky.



The micronized stream of air/water converts the gray waters in the solution into vapor. The water vapor is naturally removed from the contaminants in the stream solution and the condensed waste particles does precipitate to the ground or pond. Applicable in a variety of industries including mining, oil and gas, wastewater treatment plants and power generation.

ODOR CONTROL SYSTEM for Alternative fuel Research is the process of eliminating the perception of one/group odor by superimposing another odor/

group of odors to create a new odor sensation, preferably pleasant. Specific Chemical Injection in Ultrafine Fogging System helps in generating 1-15 Micron droplets which evaporates within 1.5 Mtrs of travel. The Counteractant Chemical Fog Creates a Masking Effect for all type of wastes including municipal waste, Industrial Plastic, Biomass, RDF.



INDUSTRIAL VACUUM MACHINES

UniVac products are designed to meet the needs of the most demanding customers in terms of cleaning, transport and storage of the sucked material. Worldwide, Univac & its partners offer mobile units and centralized vacuum systems with the UniVac brand that meet the latest design technologies in compliance with current regulations against spillage control and good housekeeping methods.



www.ecodeapc.com

■ EIMCO ELECON (INDIA) LTD.

Eimco Elecon (India) Limite situated in Anand, Gujarat established in 1974 as a joint venture of ELECON Group of India and EIMCO UK. From last five decades we had contributed to Indian Mining industry by providing sustainable products as per the need of the industry.



EIMCO ELECON

As the underground coal industry is now moving towards blast free technology, we were the first to take initiative and come out with Continuous miner equipment's set under Make in India initiative.

We provide sales and service support through the network of branch offices at Pan India Level. The company shares were listed on stock exchange in 1993.

Eimco Elecon is a part of Elecon Group, A leader in manufacturing Bulk Material Handling Equipment's and Industrial Gears in India.

Since inception, Eimco has supplied 6000+ nos. of machines and have contributed to coal, metal mining and construction segment in Indian market.

CONTINUOUS MINER (STANDARD HEIGHT / LOW HEIGHT)

India's first Indigenously designed and manufactured, CONTINUOUS MINER used to cut coal in a continuous process thus eliminating the need for drilling and blasting.

The flameproof design of the machine is certified by DGMS.



Features:

- Microprocessor controlled DC motor drive with advanced diagnostics and programmable features.
- DC drive systems have protections like Thermal protection, Motor overload, over current Protection.
- Radio Remote control with backup data logger for smooth machine operations.
- Efficient spraying system for highest safety and dust control.

SHUTTLE CAR (STANDARD HEIGHT / LOW HEIGHT)

India's first Indigenously designed and manufactured, flameproof electric SHUTTLE CAR is used to support high capacity, continuous miners by transporting coal quickly and efficiently.



Eimco shuttle car provides fast discharge time, high capacity, and sharp turning radius.

Features:

- DC drive electronic system integrates electrical, software, electronic and

mechanical systems for stable performance.

- Heavy-duty, high-power drive train to handle heavy loads in hard conditions.
- Heavy-duty conveyor reducers and abrasion-resistant conveyor decking to improve reliability and durability. - Operational control panel with PLC screen which shows healthiness and fault of the system.
- All the service points are well protected but easy to access for fast and economic maintenance.

ROOF BOLTER (STANDARD HEIGHT / LOW HEIGHT / EXTRA LOW HEIGHT)

EIMCO makes ROOF BOLTER provided TRS (Temporary Roof Support) which eliminates the need for temporary posts and jacks in most applications. Bolting patterns are established relative to the roof, not DGMS approved electrical equipment. Walk-thru Chassis reduces miner exposure to rib hazards.



Features:

- Hydraulic release fail-safe break.
- Walk-thru chassis frame design eliminates the need of operator walking beside the machine the exposure there to falling hazards.
- Powerful crawler carrier ensures fast and safe manoeuvring in underground coal mines.
- The drilling system with twin Independently elevating booms.
- Robust universal drill mast with 90-degree rotation for fast and easy face & roof drilling.

FEEDER BREAKER

EIMCO FEEDER BREAKER, designed for high productivity and reliability in the most rigorous underground coal mining conditions.



Features:

- Robust and solid construction structure
- Long deck life through hard surfaced conveyor deck with chromium carbide overlay
- Specially designed widest crawler system for very low ground pressure
- Breaker roll with helical pick distribution for high pick
- Electric-mechanical Bi-directional conveyor system with gearbox and chain
- Spray control system through Mechanical paddle valve
- Water dust suppression system
- Audible Warning Device, Rotating beacon, Pull cord switch, Emergency Stops, Fire Extinguishers to ensure safety

www.eimcoelecon.in

■ NIPPON EIRICH CO. LTD.

The Eirich Group, with Maschinenfabrik Gustav Eirich as its strategic center in Hardheim, is a supplier of machinery, systems, and services for industrial mixing, granulating/pelletizing, drying, and fine grinding. Our core expertise is in the field of processes and techniques used for the preparation of pourable materials, slurries, and sludges. We are a family-run company that operates 16 sites around the world.



EIRICH TOWERMILL

The Eirich TowerMill is a gravity induced vertical stirred mill that is widely used in both ferrous and non-ferrous ore concentrators for primary, secondary and even tertiary regrinding duties. The mill consists of a stationary vertically orientated shell with a suspended helical screw agitator. The Eirich TowerMill is

able to process feed of up to 6 mm and effect a high reduction ratio in a single sage. The option of bottom feeding ensures efficient comminution of coarse material. The shell of the TowerMill is protected by magnetic liners which immobilise a layer of grinding media.

EIRICH INTENSIVE MIXERS

Eirich Intensive Mixers have been developed for a wide range of very different tasks, such as the preparation of raw materials, mixtures, and compounds.

The Eirich range of mixers includes sizes from 1 Ltr to 12000 ltrs, meeting user specific requirement with great efficiency.

EIRICH intensive mixers are service friendly, extremely wear-resistant and highly reliable.



www.eirich.com

www.nippon-eirich.co.jp/en

ELGIN SEPARATION SOLUTIONS (TERRASOURCE GLOBAL)

TerraSource Global offers tailored turn-key solutions for coal prep & coal fire operations. Our trusted flagship brands (Gundlach Crushers, Jeffrey Rader, Pennsylvania Crusher, and Elgin) equipment plays a vital role in maximizing efficiency, boosting reliability and productivity, minimizing maintenance challenges, and elevating the quality of end products throughout every phase of production.

TerraSource Global has locations worldwide with over 20,000 capital installations spanning 65 countries. We empower those who power, feed, build, and renew our world every day with innovative machines, personal service, and a shared commitment to their success.

Our equipment portfolio offers a diverse range tailored to precise operational needs, including crushers, mills, screens, separators, centrifuges, feeders, and material handling systems. Customizable for varying throughput capacities, materials, and operational conditions, our solutions feature cutting-edge technologies.

Coalpactors® by Pennsylvania Crusher are designed to efficiently reduce the size of coals, making them ideal for fluid bed boiler plants and crushing metallurgical coal for coke production. The open-bottom construction and free-air impact design minimize fines and reduces horsepower consumption.



- With features like interchangeable breaker blocks, hydraulic doors, and adjustable components, downtime is minimized.

It is the preferred choice for cost-effective, controlled crushing with minimal fines generation. Whether for power or steel industries, the Coalpactor excels in maintaining top size and providing a low cost-per-ton crushed.

Pennsylvania Crusher's GRANULATORS, featuring the renowned TTK Koal-King® model, excels in crushing materials such as coal, limestone, and gypsum. Used in power plants, mines, and more, the TTK Granulator has unmatched reduction capability and superior performance.



- Its innovative design includes features like interchangeable screen plates, slotted openings for increased capacity, and toothed ring forged steel hammers that minimize vibration.

This crusher's advantages include ease of maintenance, with bolted frame liners, hinged rear quadrants for full access, and clean-out doors, with optional hydraulic cage door openers for added convenience. The TTK Granulator is the top choice for efficient, low-capacity crushing needs.

Our heavy-duty Gundlach Crushers Multi-Roll Crushers are designed with breakthrough 3-D crushing technology that includes intermeshing continuous

tooth roll design and positive roll timing that delivers the industry's best dimensional product control. Gundlach roll crushers provide higher quality cubical product, minimal fines, and consistently repeatable performance for sizing lime, limestone, fertilizer, salts, friable ores and materials, clay, industrial minerals, coke, and coal.



A mainstay in drain-and-rinse and dewatering, the high-performance Tabor Horizontal (TH) Vibrating Screen delivers rock-solid dependability. Available in single, double, and triple deck configurations.



- Versatile Screening Media: Compatible with a variety of screen media, including woven wire, punch plate, rubber, grizzly bars, and polyurethane.
- Customizable Options: Upgrade your system with lined feed boxes, pivoting motor bases, dust enclosures, our patented QuickChange Removable Spring Seat System, and remote drive bearing monitoring.

Designed for efficient trouble-free operation, this screen is ideal for high-production environments with limited space, delivering consistent performance in various applications.

Elgin's Horizontal Vibratory Centrifuge (HVC) builds on seventy years of dewatering experience and reliability. While terms like "workhorse" and "built like a tank" are used in describing past and present CMI centrifuges, the HVC continues this tradition of industry leading durability.



The CMI HVC-1400 / 1500 utilizes a 'sump splash' lubrication system with no need for a pump, filter, gauges, or pressurized oil lines. In addition, the sealed cartridge style drive assembly is designed to be easily replaced for maintenance.

EBW Vertical Screen-Scroll Centrifuges are designed for small particles and provide consistent moisture reduction even with fluctuating feed rates. Commonly used within a continuous process where slurry, containing both solid and liquid, is continuously fed into and discharged from the centrifuge.



- Abrasion Resistant Wear Parts assure maximum parts life.
- High Strength Gearing and a Sealed Drive Unit which can be replaced without exposing the gearing to the surroundings.
- Direct Oil Lubrication driven separately by a gear pump.

Easy Maintenance: An experienced mechanic can change a screen in at least 20 minutes. Also, belts can be changed without disassembling the centrifuge.

www.terrasource.com

ENDRESS + HAUSER INDIA PVT. LTD.

Endress+Hauser is a global leader in measurement and automation solutions for industrial process engineering. The company delivers cutting-edge technologies for flow, level, pressure, temperature, analytics, and digital communication, helping customers optimize efficiency, safety, and compliance. With a strong presence across key industries—including chemicals, food & beverage, water & wastewater, oil & gas, and life sciences—Endress+Hauser is also a trusted partner in the mining, minerals, and metals sector.

In mining, the company provides robust, high-accuracy instrumentation and automation solutions designed to withstand harsh environments and improve operational reliability. From level measurement in silos and stockpiles to flow monitoring in slurry pipelines, Endress+Hauser's technologies enhance process visibility, ensure safe operations, and reduce downtime. The integration of digital tools like Heartbeat Technology and IIoT platforms such

as Netilion enables predictive maintenance and real-time data access, helping mining operations transition toward smarter, more sustainable practices.

The Micropilot FMR30B is a compact, non-contact radar level transmitter designed for continuous measurement in liquids and solids. Utilizing 80 GHz technology, it offers a measuring range of up to 30 m and is ideal for utility applications across industries. Fast installation and commissioning are enabled by a user-friendly design, color touch display, and Bluetooth access. Heartbeat Technology provides device diagnostics and process verification, reducing downtime. Its versatility makes it suitable for applications like open basins, river and sewer monitoring, pump stations, open channel flow, IBC tanks, silos, stockpiles, and pneumatic conveying in Water, Mining, and Food industries.



The Promass Q 300 delivers exceptional accuracy for mass flow, volume flow, and density measurements, making it ideal for custody transfer and challenging liquid applications with entrained gas. Its measuring principle remains unaffected by fluid properties like viscosity or density. With a compact dual-compartment design, it features up to three I/Os, a backlit touch display, and WLAN access. Remote display and flexible integration options ensure convenient operation. Heartbeat Technology ensures continuous diagnostics and process safety. The device achieves $\pm 0.05\%$ (opt.) mass/volume flow accuracy and $\pm 0.1 \text{ kg/m}^3$ (opt.) density accuracy, with low pressure loss and high turndown capabilities.



Cerabar PMC71B - This next-generation Cerabar pressure transmitter offers robust performance and advanced digital capabilities. With secure Bluetooth connectivity, it can be remotely accessed via the SmartBlue app for wireless control, even in hard-to-reach areas. Designed for ease of use, intuitive wizards guide users through setup, verification, and proof testing. Heartbeat Technology enables real-time monitoring and device health verification without interrupting the process, helping detect anomalies like loop deviations. It measures pressures up to 40 bar (600 psi), is vacuum-resistant up to $+150^\circ\text{C}$ (302°F), and offers high accuracy of $\pm 0.025\%$. Visual status indicators and SIL-compliant proof testing reduce errors and ensure process reliability.



The Micropilot FMR67B is a high-performance 80 GHz radar sensor designed for continuous, non-contact level measurement in demanding solids applications—even under extreme temperatures and pressures. With a maximum measuring range of 125 m and a narrow beam angle, it ensures reliable performance in tall or narrow silos with internal obstructions. Intuitive wizards simplify commissioning, proof testing, and verification. Heartbeat Technology enables continuous monitoring and diagnostics, increasing safety and productivity. The device supports flanged connections, operates from -40 to $+450^\circ\text{C}$ and -1 to $+160$ bar, and delivers $\pm 3 \text{ mm}$ accuracy. Certified for international use, it integrates easily into digital asset management systems.



The iTEMP TMT31 is a reliable, long-term stable 4–20 mA temperature transmitter designed for simple installation and operation across all industries. It supports single-channel input for either Pt100/Pt1000 RTDs or common thermocouples and is available for use in form B connection heads or DIN rail-mounted control cabinets. The device ensures high accuracy, robust diagnostics, and compliance with NAMUR NE107. Push-in terminals enable fast, tool-free wiring, and sensor-transmitter matching (CvD) further enhances measurement precision. With options for preprogramming and Ex approvals, the TMT31 offers a dependable, user-friendly solution for both industrial and hygienic temperature measurement applications.



The Field Xpert SMT70 is a rugged, high-performance tablet PC designed for mobile device configuration and plant asset management in both hazardous (Ex zone 2) and non-hazardous areas. Ideal for commissioning and maintenance teams, it supports Endress+Hauser and third-party field instruments via digital communication interfaces. The SMT70 comes as a

complete, ready-to-use solution with pre-installed driver libraries and intuitive, touch-enabled software. It enables efficient device lifecycle management and integrates seamlessly with the Netilion Library, ensuring secure cloud-based document storage. With a large 11.6" display, 14-hour battery life, secure Bluetooth connectivity, and built-in Heartbeat Verification, it ensures optimized, mobile operations.



www.in.endress.com

■ ESENPRO POWER TRANSMISSION PVT. LTD.

Esenpro (Esenpro Power Transmission Pvt. Ltd.) is a leading manufacturer of customized industrial gearboxes, delivering robust and high-performance solutions for the mining and steel industries. With decades of engineering expertise, Esenpro specializes in heavy-duty gearboxes designed to withstand the extreme loads, harsh environments, and continuous operations typical of these sectors. Our product range includes parallel shaft helical gearboxes, bevel helical gearboxes, rolling mill gearboxes, crane duty gearboxes, and drop-in replacement units tailored for critical applications such as conveyors, bulk material handling, mills, and hoists. At Esenpro, we understand the operational challenges faced by mining and steel plants and offer engineered solutions that maximize uptime, enhance efficiency, and reduce maintenance costs. Our commitment to, precision manufacturing, and responsive service support has made Esenpro a trusted partner for some of the world's largest mining and steel companies. We are dedicated to powering heavy industries with reliable drive solutions built for long-term performance.



Esenpro's helical planetary gearbox for mine winders is engineered for heavy-duty lifting operations, offering high torque density, compact design, and superior load-carrying capacity. Designed for reliability and safety, it ensures smooth, efficient winding in demanding mining environments, minimizing downtime and maximizing operational performance under extreme conditions.



Esenpro's bevel helical gearbox for belt conveyors delivers high efficiency, smooth torque transmission, and long service life. Designed for continuous operation in harsh environments, it offers robust construction, precise alignment, and easy maintenance, making it ideal for handling heavy loads in mining, steel, and material handling industries.



Esenpro's helical gearbox for ship-to-shore cranes delivers unmatched performance under extreme operational demands. Engineered for maximum torque, precision, and reliability, it ensures seamless container handling with minimal downtime. Built with high-strength materials and advanced gear technology, it provides superior efficiency, long service life, and optimal performance in port operations.



Esenpro's helical gearbox for ball mills features case-hardened, precision-ground gears for superior load distribution and minimal backlash. Designed for high torque, low-speed operation, it withstands heavy shock loads typical of grinding applications. Optimized bearing arrangements and reinforced housings ensure long service life under severe mining and cement plant conditions.



Esenpro's bevel planetary gearbox is engineered specifically for bucket wheel excavators operating under extreme mining conditions. It features case-hardened and precision-ground gears for optimal strength and minimal backlash, combined with multi-stage planetary arrangements to



deliver exceptionally high torque density and shock load resistance. The gearbox design ensures superior load sharing, high efficiency, and excellent thermal stability for continuous, heavy-duty operations. With a robust housing and advanced bearing configurations, Esenpro gearboxes guarantee maximum reliability, extended service life, and reduced maintenance requirements.

Maximize uptime and reduce replacement costs with Esenpro's drop-in replacement gearbox solutions. We deliver gearboxes engineered to perfectly match your existing equipment's dimensions, mounting, and performance - eliminating the need for structural changes. Our quick turnaround, superior build quality, and reliable performance help you restore operations faster and more efficiently. Designed for heavy industries like mining, steel, cement, and power, Esenpro's drop-in gearboxes offer a smarter, faster, and more cost-effective solution to keep your business moving forward.



www.esenpro.com

ESSAE DIGITRONICS PVT. LTD.

Essae Digitronics Pvt. Ltd, an ISO 9001:2015 certified company, comprises of FIVE divisions with three manufacturing facilities. Our business focus includes manufacturing and marketing of Truck Scales, Dynamic/In Motion Weighbridge Products, Weighing Solutions, Machined Components, Speedo Hub Drive for Automotive Sector.

Essae
Protecting YOUR Profits

WEIGH BRIDGE / UNMANNED WEIGH BRIDGE

Over the last 25 years, Essae has finely harnessed the quality management process to ensure and assure best practices from sourcing to finishing of truck scales ensure Essae Quality.

We can produce up to 150 Truck Scales per month. The range include:

- Load Capacity - 10 tons to 150 tons
- Platform size - 2m x 2m to 25m x 6m
- We cater all type of Weigh Bridge - Steel weigh-bridge / Concrete / Track Weigh - Bridge
- Model design structure supports for both Pit & Pit-less arrangement.



HOPPER / BUNKER / BIN WEIGHING SYSTEM / BULK LOADING SYSTEM

- Load cells capacity ranges up to 200tons.
- Load cells are OIML Certified & are of IP68 rated.
- Gain-in-weight/loss-in-weight/flow measurement and inventory control.
- Be it Hoppers, Tanks, Mixers, Silos, Blender Vessel or Reactors, Horizontal or Vertical Tank - there is a load mount that is engineered specially with built in for the task of Weighing & also on care considering installation safety factors.
- Indicator Model are ATEX/PESO Certified suitable even for hazardous area installations.
- Extensive communication support – Field bus connectivity with DCS/ PLC.
- Real time Monitoring with High end Weighing Indicator up to IP69K rated.
- Automated Data Entry: Reduce human errors and manual labour.
- Bulk Loading & other solutions for varied applications.



COIL SCALE

- Capacity: up to 40 000 kg / Readability 5 kg
- Painted steel weighing platform for Coil Weighing
- Maintenance and wear-free weighing



equipment

- Indicator in a SS housing with adjustable back light
- LCD backlit display
- Basic functions: gross, net, tare, HIGH-LOW-OK function
- Memory for number of weighings, and the resulting total weight
- Mains operation as standard

RAIL IN MOTION

- Very high speed - up to 52,000 samples per second
- 24 bit A/D with ± 8 million counts for tension and compression applications
- Powerful 32 bit/135 MIPS DSP for high speed onboard Processing.
- OEM applications can be embedded on the board
- 8 digit LED display
- On board temperature sensor
- Multiple boards may be connected via USB or RRS485



BELT SCALE / BELT WEIGHING SYSTEM

- Weighing the material which is pass through on the belt.
- Electronics is capable to arrive and display flow rate / Cumulative values.
- Accuracy achieved up to 0.25%*
- Single idler station with dual load cells Belt Scale.
- Purpose built weigh quality idler frames
- Rigid construction for low deflection
- Idler alignment by CST designed SmartCam for precision and ease of adjustment and permanent setting on frame.
- Roll change without re-alignment
- High wing idler clearance to stringers prevents material jamming which affects weigher accuracy.



WEIGH FEEDER

Flows ranging from 0.20mtph to 1,200mtph

- GTU - automatic belt tracking system without belt side contact (patent pending)
- Accuracy from 0.5% using On Stream Calibration
- Flow motivator for difficult materials



www.essaedig.com

FIVES STEIN INDIA PROJECTS PVT. LTD.

Fives, an industrial engineering group, is your solution provider for advanced technologies and digital solutions for carbon and electrical steel to increase productivity, improve energy efficiency and reduce costs:-



fives

- Product and technology expertise
- Ultra-low NOx reheating furnaces with optimized thermal performance
- Thermal technologies and cold rolling mills to process electrical steel
- Enhanced digital solutions

REHEATING FURNACES

Born from more than 150 years of expertise in thermal engineering, our walking beam furnaces are designed for reheating of slabs, beam blanks, blooms and billets. The best available technology - Stein Digit@l Furnace® - features high heating



efficiency, fuel flexibility, low energy consumption and ultra-low emissions.

ADVANTEK® COMBUSTION SYSTEMS

The AdvanTek® combustion system gives optimum combustion control, from capacity to flame length to fuel choice, and the lowest NOx emissions. It is the result of extensive R&D and a vision for a more sustainable steel industry.



COLD ROLLING MILLS

Our range of DMS 20Hi Cold Rolling and Skin-Pass mills provide world-leading solutions to achieve the ultimate surface quality and optimum material characteristics.



ELECTRICAL STEEL PROCESSING LINES

Electrical steel, also known as silicon steel, is a special steel tailored to achieve specific magnetic properties. It is used for high-end applications, such as e-vehicle or windmill motors, energy generators or power transformers. Fives' know-how and proprietary technology are capable of produce a full range of electrical steel grades: NGO, GO and H&B.



DIGITAL SOLUTIONS

A wide range of digital solutions - from production management to process control and quality management - enable steelmakers to increase productivity, improve product quality and reduce costs. Among these, we have dynamic control systems that improve the thermal optimization of reheating furnaces and strip processing lines.



www.fivesgroup.com/steel



FLENDER DRIVES PVT. LTD.

Flender, headquartered in Bocholt, Germany, is a leading global supplier for mechanical and electrical drive systems and has the reputation for highest performance, innovation, quality, and reliability of mechanical and electrical components for around 125 years. Flender offers a broad variety of gear units, couplings and generators and associated services, with a focus on key industries such as wind power, cement, mining, oil & gas, power generation, water and wastewater, marine, conveyor and crane technology. Flender products and services combine the latest technology with extremely high quality and have been reliably providing the optimal transmission of power for decades. Flender has around 9,000 employees globally. Further information is available on the Internet at www.flender.com.

Globally, our products and services are offered under the brand names FLENDER® and WINERGY® for industrial products and wind power generation products respectively.

Flender Drives Pvt. Ltd. (Flender India) is a wholly owned Indian subsidiary of Flender GmbH in Germany. Our versatile manufacturing portfolio comprises of gear units, generators and couplings, along with associated accessories & condition monitoring systems. We manufacture standard as well as engineered solutions for almost all mechanical drive applications. The portfolio of FLENDER gear units & couplings ranges from universal standard catalogue products through application-specific / customer-specific solutions.

In India we have integrated manufacturing facilities at Chennai & Kharagpur to meet demand of Indian industry. Flender India has recently acquired a subsidiary company in Walajabad Tamil Nadu, which shall also contribute to enhance our production capacities. Please check the link for product portfolio:

<https://www.flender.com/en/products>

www.flender.com

FLUIDOMAT LTD.

We take immense pride in introducing Fluidomat, a trailblazer in the manufacturing of fluid couplings since 1971. With over five decades of engineering excellence, we have established ourselves as an industry leader, delivering innovative drive solutions and remarkable energy savings across diverse sectors.



Backed by a state-of-the-art manufacturing facility, cutting-edge testing infrastructure, and our very own foundry, we ensure precision, quality, and reliability in every product we deliver. Our fluid couplings have been successfully deployed in numerous industries, proving their efficiency and durability across a wide range of applications.

INDUSTRIES WE SERVE: THERMAL POWER GENERATION; COAL, LIGNITE, AND ORE MINING; CEMENT; PAPER; STEEL AND METAL; FERTILIZERS AND CHEMICALS; PETROCHEMICAL; PORT TRUSTS; TEXTILE; MISCELLANEOUS SECTORS.

SHAFT MOUNTED FLUID COUPLING

A Constant Fill Fluid Coupling maintains a steady fluid level for consistent torque transmission and smooth operation. It effectively absorbs shocks and reduces slippage, ensuring reliable performance.



RADIALY DISPLACEABLE TYPE

A Constant Fill Fluid Coupling maintains a steady fluid level for consistent torque transmission and smooth operation. It effectively absorbs shocks and reduces slippage, ensuring reliable performance.



It is a variable speed fluid coupling providing steeples speed variation in a wide range when connected to fixed speed electric motor. Also provides declutching duty on conveyor, crusher & ball mill drives.



FNCT Fluid Couplings working on principle of hydrodynamic power transmission with fill control are ideal as start-up and acceleration control equipments for large drive motors.



Fluidomat FNIC is drain nozzle type fluid coupling suitable for Combustion Engine Drive. It is mounted on engine SAE Flange through stationary housing of coupling and connected to engine flywheel.



www.fluidomat.com



GASTECH SYSTEMS PVT. LTD.

THE GASTECH ADVANTAGE

GasTech is a market leader in the Dual Fuel conversion of HEMM with proven results. Conversion kits are available for mechanical and electrical drive rear dump trucks. Our products are compatible with all popular dumpers, excavators, and surface miners from manufacturers such as Caterpillar, Komatsu, BEML, Terrex, Hitachi, etc.



WHAT IS A DUAL FUEL KIT?

GasTech's Dual Fuel Kit can be easily retrofitted onto existing HEMM diesel engines, enabling them to operate with a mixture of diesel and natural gas. In Dual Fuel mode, a reduced amount of diesel is the ignition pilot for the air-gas mixture. Gas replaces a substantial portion of diesel, producing equivalent power.

Diesel substitution can range from 25% to 70% of the total fuel consumed, depending on the engine load cycle, usage pattern, etc. Engines converted to Dual Fuel functionality exhibit diesel-like performance in terms of efficiency, stability, and load acceptance.

Dual Fuel converted engines can still run on diesel as the primary fuel. A state-of-the-art electronic controller monitors critical engine parameters, ensuring safety and maximizing diesel substitution.

ProGMS

The state-of-the-art ProGMS is a modern Industrial Internet of Things (IIoT) system that allows remote monitoring of the Diesel Engine, including Dual Fuel

operation.

ProGMS provides instantaneous alerts for process alarms and equipment failures. The acquired data is stored on-premises or in a Cloud to produce analytical insights over time.

LNG for HEMM Dual Fuel

Liquified Natural Gas (LNG) is an ideal fuel for HEMM conversion:

- High energy density
- Less frequent refuelling
- Smaller dead weight
- Safer and economical



www.gastech-systems.com

GEBR. PFEIFFER (INDIA) PVT. LTD.

Gebr. Pfeiffer is the global specialist for innovative plant solutions with its own R&D department and strong German engineering. It is based on more than 160 years of experience and technological leadership in modern grinding, separating, drying, slaking, and calcining technologies.

Pfeiffer has a long tradition of grinding a variety of minerals and ores since the 1940s. A new development in the mining industry, however, is dry grinding with vertical roller mills. This state-of-the-art technology reflects the trend towards sustainability in mining and increases the efficiency of ore processing plants.

Investments in Pfeiffer machines and plants pay off because the overall performance is right – mature technology, extremely reliable and with excellent results, for economic success and a high ROI.

The Pfeiffer MVR mill is the core grinding equipment for higher recovery rates and greater efficiency in mining operations.

Thanks to its parallel grinding gap, it performs with exceptionally low vibration, smooth operation and low wear. Up to six grinding rollers may be swung out separately. This active redundancy ensures uninterrupted operation even during maintenance of individual rollers.

Get the highest power density in a compact design with integrated classifier.

- Throughput rate: up to 2,500 t/h
- Range of grinding size: P80 = 1 mm down to P99 = 20 µm



Glink, our digital monitoring module collects and stores sensor data, can be used for in-depth data analysis and predictive process control. A 24/7 remote access solution gives you mobile access to operating data, drastically reducing downtime.

GPpro, the advanced maintenance system from Pfeiffer, flexibly adapts to the current operating conditions and enables predictable, targeted maintenance measures.

GPAI and smart process control can exploit the full performance potential of mills.

The combination of vertical roller mills with intelligent digital solutions ensures future-proof, cost-efficient and sustainable production in mining.



A mine's total energy consumption depends on many factors including mining technique, electricity generation technique and the ore to waste ratio. Rising power costs as well as construction and consumable cost paired with declining grades and the need to process harder ores require a change in comminution equipment selection. Reduced energy and water consumption are mandatory for enhanced sustainability. A Dry grinding system that is well known and capable of achieving this is the vertical roller mill. Vertical roller mills are traditionally air-swept mills. The material being ground is dried, if necessary, and transported by a stream of air or hot gas during comminution to the classifier mounted on top of the mill. Those continuous operating mills are used for flexibly adaptable comminution and simultaneous drying very hard to medium-hard materials. The modern mill type is known in many industries such as cement, lime and gypsum industry as well as for grinding of solid fuels for power generation.



www.gebr-pfeiffer.com

GILBARCO VEEDER-ROOT INDIA

Gilbarco Veeder-Root India Pvt Ltd is a leading provider of integrated fuelling solutions for retail and commercial operators across India, Nepal, and Sri Lanka. Headquartered in Mumbai with a robust service network of 700+ engineers and a manufacturing plant in Coimbatore, GVR India combines deep on-ground expertise with global best practices.



A part of Vontier Corporation, a global industrial technology company, GVR India delivers end-to-end solutions—from fuel dispensers, tank gauging systems, and submersible turbine pumps to vapor recovery, automation, mobile fuelling units, and secure payment systems.

With a legacy dating back to 1955, GVR India is a trusted partner for optimizing fuel operations, reducing pilferage, and ensuring compliance across high-volume, mission-critical sites.

FUEL DISPENSERS (HIGH-FLOW DISPENSER: EMR4 + FLOW METER)

Gilbarco's high-flow fuel dispenser combines the EMR4 electronic register with a precision flow meter, designed for fast, accurate dispensing in demanding environments like mining, fleet depots, and construction sites. With flow rates exceeding 120 LPM, it drastically cuts down fuelling time while ensuring precise metering. The EMR4 enables digital tracking, ticketing, and integration with automation systems such as AVI and DataFlex 360. Built for rugged outdoor use, this dispenser is ideal for mobile or fixed fuelling setups and helps operators improve traceability, reduce losses, and simplify compliance across large-scale, high-volume operations.



WETSTOCK MANAGEMENT (ATG PROBE + TLS4B CONSOLE)

Gilbarco's Wetstock Management solution uses Automatic Tank Gauging (ATG) probes and the TLS4B console to provide continuous, accurate fuel level monitoring. It detects water ingress, fuel loss, and delivery discrepancies in real time. The TLS4B dashboard offers centralized visibility, alarm alerts, and reconciliation reports. Integrated with dispensers and cloud systems like DataFlex 360, it creates an end-to-end view of tank-to-nozzle operations. Designed to enhance safety, compliance, and inventory control, this solution is trusted by retail networks, fleet operators, and industrial sites to proactively manage fuel risks and optimize tank utilization.



DATAFLEX 360

DataFlex 360 is Gilbarco's advanced cloud platform for centralized fuel management. It connects fuelling hardware—dispensers, ATGs, AVI systems—and turns raw data into actionable insights. Operators can monitor transactions, detect fuel theft, track tank levels, and generate reports across

multiple locations. The real-time dashboard improves decision-making, ensures compliance, and helps reduce operational inefficiencies. From retail outlets to remote industrial sites, DataFlex 360 empowers organizations to maximize uptime, reduce shrinkage, and simplify audits. It also supports integration with mobile refueling and third-party platforms, making it a scalable and flexible solution.



TRUCK PRIME

Truck Prime is a fully integrated mobile refueling system mounted on fuel bowsers for high-volume fueling in remote locations. Designed for mining, infrastructure, and fleet applications, it combines a rugged dispenser, flow meter, printer, and optional automation tools in one setup. Operators benefit from fast, on-site fueling, digital ticketing, and reduced machine downtime. Truck Prime enables better fuel accountability by tracking every litre dispensed and can be integrated with DataFlex 360 or AVI for greater control. Its weatherproof, robust build ensures reliable performance even in harsh terrain and extreme environments.



AUTOMATIC VEHICLE IDENTIFICATION (AVI)

Gilbarco's AVI system delivers secure, automated fueling by linking each vehicle to an RFID tag. When a tagged vehicle approaches the dispenser, the system automatically authenticates and enables fueling-no manual input required. This prevents fuel theft, limits unauthorized access, and ensures accurate vehicle-wise fueling records. AVI is fully compatible with EMR4 dispensers and cloud systems like DataFlex 360, enabling real-time fuel tracking and reconciliation. Ideal for fleet depots and industrial sites, AVI helps streamline operations, improve transparency, and reduce the risk of human error or fraud in fuel distribution.



ADBLUE® DISPENSER

Gilbarco's AdBlue® dispenser is designed for precision dispensing of diesel exhaust fluid (DEF), ensuring compliance with BS-VI emission standards. Featuring corrosion-resistant internals, temperature protection, and stainless-steel piping, it preserves AdBlue quality and ensures metering accuracy. Ideal for commercial vehicle depots and fleet fueling stations, the dispenser is compatible with both standalone and integrated automation setups. With digital displays, customizable configurations, and robust construction, Gilbarco's AdBlue solution supports sustainable fuel operations and helps OEMs and fleet owners meet regulatory requirements while avoiding warranty issues from improper AdBlue handling.



www.gilbarco.in

GLOBAL SLEEVE SOLUTIONS

GLOBAL SLEEVE SOLUTIONS front-runner in delivering wide-ranging and inventive solutions in the realm of manufacturing bearing accessories



with advance technology i.e. Precision Adapter Sleeves, Withdrawal Sleeves, Precision Lock Nuts, Bearing Hydraulic Nuts, Hydraulic Adapter Sleeves, Hydraulic Withdrawal Sleeves, Lock Washers & Heavy Duty Plummer Blocks up to 1000 mm with latest technology on plant imported from Germany.

Our products are known for its reliability, quality, interchangeability and repeatability, equivalent to the international quality norms.

Our mission is to provide quality products that increase the plant efficiency and output,

Our solutions are offered to empower businesses such as yours to capitalize on the potential of improving day to day performance, boosting operational efficacy, while assuring fastest deliveries and product reliability.



PRECISION LOCK NUTS
Series - KM, HM, N, AN, KMK, KMT, KMTA, KMD, KMF, ZM, GUK
Range - 10mm-750mm



HEAVY LOCK WASHERS & LOCKING CLIPS
Series - MB, MBL, AW & MS
Range - 10mm-280mm



PRECISION ADAPTER SLEEVES
Series - H, HE, HS, HA
Range - 19mm-710mm



PRECISION WITHDRAWAL SLEEVES
Series - AH, AHX
Range - 35mm-710mm



HYDRAULIC NUTS
Series - HMV
Range - 60mm-750mm



HEAVY DUTY PLUMMER BLOCKS
Series - S, SN, SNH, SNA, SD, SOFN
Range - 20mm-710mm

www.globalsleeves.com

GOODWIN PUMPS INDIA PVT. LTD.

Goodwin submersible pumps have been manufactured since 1982 and are recognised as market leaders in terms of performance and reliability. The pumps have been continually developed over four decades to enhance strength and endurance.



Goodwin pumps deliver proven performance in the most demanding environments. Goodwin submersible pumps is a truly global business with operations covering the world. Engineering excellence is built into all that Goodwin does.

Goodwin heavy duty slurry pumps are designed with outstanding features that guarantee exceptional performance. Precision engineering and robust construction gives reliable operation in the most demanding conditions.

100 ANZE® MODEL

Goodwin use a Twin Volute casing to balance the load on the shaft when pumping variable density slurry. A traditional single volute design can put uneven loads on the rotating elements of the pump leading to premature failure in service.

The Goodwin pump motor runs submerged in oil that lubricates and cools the bearings and the mechanical seal. The oil dissipates heat from the hottest part of the motor to the high mass stator housing that acts as a heat sink, eliminating motor hot spots which can give premature motor winding failure.

100 SlurryChamp® MODEL

The Goodwin SlurryChamp® hydraulic submersible pump has been developed to give maximum reliability, strength and endurance.

The Goodwin SlurryChamp® hydraulic pump shares many of the features of Goodwin electric pumps meaning that quality and strength are guaranteed.

Designed for the harshest environments, the SlurryChamp® can be powered by a standard hydraulic powerpack, or alternatively, can be mounted



on an excavator boom.

www.goodwininternationalpumps.com

■ GOSTOL TST INDIA PVT. LTD.

GOSTOL TST as a European company, Gostol TST based in Slovenia and having fully equipped manufacturing facility in India at Peenya Industrial Area, Bangalore and known as Gostol TST India Pvt Ltd started from 2015. we started manufacturing in India to cut the cost but the design and quality of the machine remains the same as our mother company Gostol TST manufacturing in Slovenia as per the European Standards. The benefit of our Shot Blasting Machine manufactured in India is, getting European technology in Indian Price.



Since Incorporation in 2015 till date we have been manufactured and supplied more than 450+ machines.

Our Product details is as Below.

Spinner Hanger type • Online type • Tumblast Type • Roller conveyor • Swing table type • Manual Shot Blasting Room • Custom made Shot Blasting machines

VKP- OVERHEAD MONORAIL CONTINUOUS CHAIN/HOIST CONVEYOR

Designed for cavity and mass production, these machines ensure efficiency and durability in surface treatment.

- Robust Mn steel construction with reinforced liners for longevity.
- Batch capacities from 300kg to 10,000kg and more, suiting various production needs.
- Customizable conveyor systems tailored to required production rates.
- Pit-less option for smaller machines, enabling compact installation.



P-ROLLER CONVEYOR MACHINE

Designed for continuous production, ensuring efficiency and reliability.

- Optimized shot re-circulation for high productivity.
- Hardened rollers for durability with minimal maintenance.
- Sealed vestibules prevent shot leakage from blasting areas.
- Strategic throwing wheel placement for uniform coverage.



GG- TUMBLE BLAST WITH RUBBER BELT

Designed for efficient material processing with automation and durability.

- Rubber belt (1-ton capacity) and Steel belt models available.
- Hydraulic loader for seamless material handling.
- Vibratory discharge conveyor ensures smooth unloading.
- Fully automatic operation for ease and efficiency.



VK- Y -TRACK HANGER TYPE MACHINE

Designed for efficient batch processing, ensuring durability and adaptability.

- Robust Mn steel construction with reinforced liners for longevity.
- Batch capacities ranging from 300kg to 10,000kg and more for varied applications.
- Customizable overhead structures (Loop, Y, and I type) based on production requirements.
- Pit-less option for smaller machines, enabling easy installation and



operation.

VPP- Free Flowing Shot Blasting Machine With Overhead Conveyor

Engineered for complex structures and high productivity, ensuring efficiency and reliability.

- Ideal for intricate structures, enabling thorough blasting.
- Secure sealing at entry and exit using horizontal seal screens or doors.
- Standard-compliant control system for easy maintenance and cost-effectiveness.



www.gostol-in.net

■ HAMTEK TECHNOLOGIES INDIA PVT. LTD.

Founded in 2008, Hamtek Technologies India Pvt. Ltd., is a professionally managed engineering conglomerate based in Hyderabad, Telangana.



Over the past 15+ years, Hamtek has emerged as one of India's fastest-growing companies in the field of bulk material handling systems, delivering turnkey solutions for a wide range of industries including power, mining, ports, steel, cement, and fertilizers.

With more than ₹1000 crore worth of projects currently under execution, Hamtek proudly serves prestigious clients such as Northern Coalfields, Western Coalfields, Central Coalfields, Adani, JSW, NMDC, Arcelor Mittal, and Visakhapatnam Multi Cargo Bulk Terminal Pvt. Ltd. Our portfolio covers both public sector enterprises and top-tier private corporations, with project sites spanning across Telangana, Andhra Pradesh, Tamil Nadu, Gujarat, Odisha, Maharashtra, Madhya Pradesh, Chhattisgarh, and Jharkhand.

Our core capabilities include:

- Coal Handling Systems for Power Plants
- Long Distance Pipe and Troughed Conveyors
- Downhill Conveyors
- Rapid Loading Systems for Coal Mines
- Port Handling Systems
- Cross Country Overland Belt Conveyors
- High-Capacity Belt Conveyors (up to 10,000 TPH)
- Covered Storage Sheds for Coal & Raw Materials
- Bulk Material Handling Systems for Cement, Steel, Mining & Fertilizer Industries

What sets Hamtek apart is our ability to deliver end-to-end solutions—from design and engineering to procurement, construction, and commissioning. Our expert team of engineers and project managers utilizes cutting-edge tools such as Primavera, MS Project, and in-house project reporting systems to ensure transparency, timely execution, and quality assurance at every stage.

The company's success is a testament to the visionary leadership of Dr. K. S. Rao, Managing Director, and a Mechanical Engineering graduate from S.V. University, with over 30 years of specialized experience in the design of Bulk Material Handling Systems. Under his guidance, Hamtek has consistently demonstrated innovation, operational excellence, and a strong customer-first approach.

Our commitment to quality, safety, and customer satisfaction has enabled us to undertake and successfully execute some of the most complex and large-scale material handling projects in the country, regardless of terrain or timeline.

PROJECTS UNDER EXECUTION

SL.NO.	NAME OF THE CUSTOMER	PROJECT DESCRIPTION
1	CENTRAL COALFIELDS LIMITED, (KONAR OCP)	5 MTPA COAL HANDLING SYSTEM WITH 6500 TPH RAPID LOADING SYSTEM
2	WESTERN COALFIELDS LIMITED, (MUNGOLI OCP)	10 MTPA COALHANDLING SYSTEM 8500 TPH RAPID LOADING SYSTEM
3	ADANI ENTERPRISES LIMITED, (SULIYARI OCP)	5 MTPA COAL HANDLING SYSTEM 2200 TPH TRUCK LOADING SYSTEM

4	NMDC Limited	7 MTPA CAPACITY IRON ORE SCREENING & BENEFICATION PLANT – II AT DONIMALAI COMPLEX, KARNATAKA
5	VISHAKAPATNAM MULTI CARGO BULK TERMINAL PVT. LTD.	BULK CARGO TO WAGON BY WAGON LOADING SYSTEM ON TURNKEY BASIS AT VISHAKAPATNAM

1800TPH Belt conveyor system for Northern Coal Fields (NCL), Singrauli, Madhya Pradesh.



2000TPH Belt conveyor system for Northern Coal Fields (NCL), Singrauli, Madhya Pradesh.



9750TPH Belt Conveyor System for JSW, Jaigarh Port, Ratnagiri, Maharashtra.



2000TPH X 2.35 Kms Long Distance Pipe Conveyor System for GPCL A/c. PC Patel, Goga Surka, Gujarat.



1200TPH Coal Handling System for 1X800 MW KTPP – TSGENCO, Bhupalpally, Telangana.



750TPH Coal Handling System for 160MW Suryadeva Power Ltd., Gummidipoodi, Tamil Nadu.



1350 TPH Ship Unloading & Handling System for Lanwa Satna Cement, Hambantota, Sri Lanka.



1200TPH Coal Handling System for 1X800MW KTPS – TSGENCO, Kothagudem, Telangana.

1200TPH Coal Handling System for Northern Coalfields Limited, Singrauli.

1200TPH Coal Handling System for 4 MTPA Gare Palma –III A/c. Adani Enterprises Limited.

1200TPH Coal Handling System for 700MW Meenakshi Energy, Nellore, Andhra Pradesh.

750TPH Coal Handling System for 300MW OPG Gujarat Power Pvt. Ltd., Bhadreshwar, Gujarat.

1000TPH Coal Handling System for 450MW Ind Barath Thermal Power Ltd., Tuticorin, Tamil Nadu

1000TPH Coal Handling System for 240MW OPG Power Generation, Gummidipoodi, Tamil Nadu.

www.hamtekindia.com

■ HARDCARB TECHNOLOGIES PVT. LTD.

Hardcarb Technologies: Surfacing | Automation | Innovation

Hardcarb Technologies is a leader in engineered hardsurfacing solutions, protecting industrial machinery from aggressive wear and significantly extending operational life. With a relentless commitment to innovation since 1999, we transform wear challenges into long-term productivity gains across industries including mining, cement, power, aluminum, dredging, foundry, and construction.

Pioneering the science of wear protection for over two decades, Hardcarb has evolved from manufacturing composite wear plates to offering a



comprehensive portfolio of advanced hardfacing materials and automated surfacing systems. Our product range includes:

- High-performance composite wear plates.
- Hardfacing electrodes and flux-cored tubular wires featuring chromium carbides, complex carbides, tungsten carbides, and carbo-borides.
- Pre-hardfaced castings and critical high-wear spares.
- Brazed hardmetal components for extreme wear environments.
- Carbide-infused atomized powders for PTA, laser, and powder welding applications.
- Intelligent surfacing automation solutions.

At Hardcarb, we engineer resilience. Our solutions combat abrasion, erosion, impact, thermal stress, and corrosion, ensuring unmatched equipment uptime and reliability. With deep field experience and a 360-degree technology stack, we deliver proven solutions that empower industries to operate stronger and longer.

Hardcarb Technologies – Because Every Extra Hour Matters.

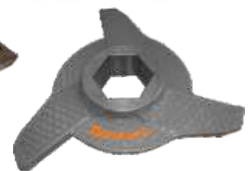
Hard facing consumables – Stick electrodes, tubular wires, tubular electrodes, flexible tungsten carbide rope electrode, atomized metal powders etc.



Composite Wearplates



Hardmetal Protected Components



Pre-hardfaced Cast Parts



Hardfacing Automation



Wear-protected Centrifugal Fan Rotors

www.hardcarb.com

■ HEATFURN SYSTEMS

We at Heatfurn Systems, established in the year 2002, are the leading manufacturer of Bundle Rod Heaters, Strip Edge Wound Heaters, Coil Heaters, Bobbin heaters & Special Heating Systems. We are engaged in manufacturing with ultra-modern machinery and equipment. Our catalogue products are different and are of excellent in comparison in the race. They are well appreciated in the market and are a benchmark for others in the race. The quality and durability of our catalogue products are inspiration for others and are felicitated by our customers and our valued clientele. Our products are of unbeatable prices and recommended in the market. We have been able to bring forth an impeccable range of products, backed by our sound infrastructural facility. There, we have assorted latest and technically advanced equipment, required for convenient regulation of our manufacturing task. We have a team of skilled professionals with years of industry experience.



The whole manufacturing task is performed under the strict surveillance of these personnel and for the reason, the outcome offered is impeccable in nature. We initiated our firm with the aid of offering our customers complete business solutions and working for these specifications, we have reached so far in our journey. Our products are assured to provide efficient results in their

applications, available at market leading prices.

BUNDLE ROD HEATERS

Bundle Rod heaters consist of ceramic discs which hold the heating element i.e., resistance wire. There is a central rod which provides support to the heater. We provide heaters up to 1250°C.



STRIP EDGE WOUND HEATERS

Heatfurn Systems manufactures specially designed and developed Strip Edge Wound heaters. Due to its unique design, it radiates maximum heat in limited space. These heaters are known for their easy installation and reliability. These heaters are best efficient in their performance and have low maintenance, due to which they are very popular among the users. We provide heaters up to 1100°C.



BOBBIN HEATER

The heating element (generally Nichrome) is assembled in the ceramic blocks known as bobbins. A center rod is inserted in the centre hole of bobbin, to support the entire structure. We provide heaters up to 750°C.



COIL HEATER

Coil heater consists of a coiled resistance wire which is fixed on the ceramic tubes or inside grooved bricks and heats the medium directly. This is referred to as the most efficient and economically feasible solution, as it requires less maintenance and inexpensive replacement parts.



www.heatfurnsystems.com



IFM ELECTRONIC INDIA PVT. LTD.

ifm electronic India Private Limited, Measuring and controlling - With more than 9,055 employees in more than 150 countries worldwide and 1.45 Billion Euro turnover, ifm electronic gmbh is one of the leading manufacturers in the automation industry. In 1994 the family-owned international company opened a branch in India. As one of the first German companies, ifm realized the potential of the Indian economy at that early point in time.



ifm electronic offers a wide range of "Made in Germany" product range across various Industry segments such as – Machine Tools, Dairy, Food & Brewery, Automobile, Steel & Coal, Mobile Machines, Port, Wastewater etc.

With a presence of ifm electronic India for more than 30+ years, ifm India has succeeded in achieving its name as the Top trusted brand for sensors and automation technology in India.

The Product Portfolio includes-

- **Sensors**
 - Position Sensors
 - Process / Fluid Sensors
- **Condition Monitoring**
 - Condition Monitoring
 - Consumption Measurement
 - Evaluation Units
- **Image processing / Identification**
 - 2D image processing
 - 3D image processing
 - Identification Systems
- **IO-Link**
 - Masters / Modules
 - IIoT Software Solutions
- **Systems for Mobile Machines**
 - Control components
 - Cameras for mobile applications

- Diagnostics & service units

• Safety Technology

• Industrial Communication

SYSTEMS FOR VIBRATION MONITORING AND DIAGNOSTICS – VIBRATION SENSORS AND TRANSMITTERS

The unit is easy to set up without needing any additional parameter setting software. The transmitters are designed and approved for use in hazardous areas according to the applicable directives. Due to the possibility of mechanical locking, unauthorised manipulation is excluded. The protective cap, which is optionally available, ensures protection against tampering. It is often used for condition monitoring of ventilators or fans, where it reliably detects damaged impellers.



PRESSURE SENSORS

ifm offers a wide range of electronic pressure sensors to meet the requirements of various industrial applications. The ceramic-capacitive measuring cell, tried and tested millions of times, is complemented by a stainless steel measuring cell with thin-film or thick-film wire strain gauges (series PK, PV, PT) and a piezoresistive measuring technique (for pneumatic applications).



All units have robust housings and do not require moving parts such as pistons or springs. The result: The sensors are extremely shock and vibration resistant and operate without any wear or maintenance.

The sensors are resistant to dynamic pressure peaks and guarantee high overload resistance even in the case of extreme pressure peaks that occur for example with fast closing valves.

The welded stainless steel measuring cell without any seals ensures a high degree of safety, in particular for applications with gas pressures of up to 600 bar as well as in air-conditioning and refrigerating technology where aggressive coolants (freons) are used.

COMPACT FLOW SENSORS WITH DISPLAY

The SA series flow sensors with display serve to monitor liquids and gases in pipes. In addition to volumetric flow monitoring, the SA also monitors the temperature of the medium. Thanks to a broad selection of process adapters, the sensors can be used in nearly all industrial applications. They are frequently used in cooling circuits, e.g. in steelworks, automotive industry and in glassmaking.

Their robust stainless-steel housing provides high reliability even in harsh operating conditions.

Set-up, maintenance and operation are facilitated by a 4-digit LED display, which is visible from all sides even at greater distances, and two switching status LEDs on the sensor head. The display can be switched from the indication of "red" to an alternating indication of "red – green". So, switching states can be highlighted or an independent colour window can be created.



ANALOGUE INFRARED TEMPERATURE SENSORS WITH DISPLAY

The TW infrared temperature sensor is used for precise non-contact temperature measurement of particularly hot objects or objects which are difficult to access, e.g. in the steel, plastics or glass industries. The decisive advantage of these sensors is that no mechanical contact between the object and the sensor is necessary.

The measured value is provided via an analogue output. In addition, a switching output is available which can be used as NC or NO output, depending on the configuration.



The extremely robust stainless steel housing withstands even the most severe industrial applications.

To enable precise temperature measurement, the degree of emission can be quickly and easily set using the pushbuttons and display. The current temperature of the object to be measured is displayed during operation.

O1D DISTANCE SENSORS

The O1D is a distance sensor with time-of-flight measurement based on PMD technology (PMD = Photonic Mixer Device). Measuring only 42 x 42 x 52 mm,

the sensor offers a very long range, reliable background suppression, a visible red laser light spot and a high excess gain.

The sensor is resistant to extraneous light and can be used in workshops where daylight hits the sensor or target from above. Reflective objects such as metal surfaces are reliably detected; reflective strips on high-vis vests reliably suppressed. With O1D, distances can also be measured reliably when the light beam does not hit the object surface vertically. This allows flexible mounting, facilitates installation and saves costs. The accurate background suppression ensures that even shiny, matt, dark or light objects are safely detected.

The O1D distance sensor is designed for positioning, speed control and level measurement tasks. For example, it can be used to protect autonomous industrial transport systems against collision or position industrial trucks in high rack storage areas.

SAFETY ROPE EMERGENCY STOP SWITCHES

Safety rope emergency stop switches are often used in conveyor belt systems to secure large danger areas. Pulling the tensioned rope, rope breakage or impact on the E-stop cause activation of the switching function of the safety rope emergency stop switch. After activation of the E-stop function a clip mechanism maintains the E-stop command until it is unlocked manually by pressing the blue reset button.

Reset is only possible with correct rope tension.

The rope tension is adjusted directly on the safety rope e-stop switch. The switch features a rope tension indicator to facilitate adjustment, troubleshooting and maintenance.

Using AS-i PCBs, rope switches, belt drift switches and other switches can be integrated into AS-i systems. If needed, this can also be safety-related (Safety at Work).



www.ifm.com/in

IMCO ALLOYS PVT. LTD.

We would like to introduce ourselves as one of the leading manufacturers of custom engineered sintered metal matrix carbide composite products for the most critical wear and tear applications of the Mining, Cement, Steel, Power, and Sugar Industries.

IMCO Alloys Pvt. Ltd. is an advanced material science company exclusively dedicated to innovate ultra-wear resistant materials and committed to manufacture highest quality wear resistant products. We have been providing effective solutions for wear and tear resistance in several industrial applications and have been awarded with several path breaking research patents.

The inherited values of IMCO Alloys drive us in everything we do! Our focus being; Pioneering Technology, Creativity & Integrity, Excellent Customer Satisfaction, Highest Quality Assurance & Social Responsibility.

Our Zuper range of wear resistant solutions are innovatively designed and customised for a variety application in Zuper Liners, Bucket Protection Kit, Crusher hammers and different crusher parts & fabrication work of chutes, hoppers are built as per customer needs that help them benefit enormously while lowering their processing and maintenance costs, thereby creating value for our esteemed clients.

We effectively deliver "Exxxtra Life, Exxxtra Efficiency & Exxxtra Profit" and with our advanced production line we minimize the delivery times & ensure timely deliveries.

ZUPER HI LIFE LINER

IMCO make Zuper Hi Life is a solution to various high abrasion wear issues that rise in chutes, hoppers, feeders, bins etc. by increasing the life of mechanical equipment by shielding its surface. Our Revolutionary " Zuper Hi Life " Wear



Liner which has High Density and Ultra- abrasion Resisting Carbide composite(60-62 HRC) metallurgically fused to a mild steel backing through our patented process. (Can also be offered without base plate for low impact areas)

Benefits of Zuper Hi-Life:

- Low Co-efficient of friction (39% less than SS in service)
- Reduced hang-ups & carry backs
- Max Wear Resistance irrespective of direction of flow of abrasive particles
- Negligible Dilution - unmatched wear resistance
- Consistent Hardness & Micro-structure resulting in consistent & unmatched wear rates
- Laminar flow ensuring reduced wear.
- Low Residual Stress(Sintered Carbide & backing plate)
- Ease in Fabrication as per customer requirements

ZUPER HI-LIFE EX SMOOTH

Smooth surface Liner is preferred by our customers facing issues with excessive hang up and carry backs. The polished finish of the liner of IMCO make Zuper Hi Life Ex Smooth makes the sliding motion of the raw material quicker without adhering to the surface of a low impact area having 60-62HRC. Majorly used in the applications of wet plants.

Fig: A mirror-like finish that gives the liner a smooth texture of up to 0.4 µA value to enhance the performance.

ZUPER HEX CERA

Innovation & agile IMCO make product "Zuper Hex Cera" Wear Liner is made of metal matrix ceramic composites fitted in a specialized alloy steel base body to withstand severe impact and abrasion wear having hardness 1100-1300 HV.

Features of Zuper Hex Cera:

Zuper Hex Cera is innovatively designed for major impact areas which is 1.5 to 2 metres and more. Flexural strength of Zuper Hex Cera 220-240 MPa Compressive strength is around 1800-1950 MPa.

ZUPER ABRATECH

The "Zuper Abratech" Wear Liner is a ground breaking innovation infused with composite metal matrix ceramic composites vacuum fused with high elastomers (10-15 Mohr's Hardness). Zuper Abratech Liner (100% Make in India) is the best wear resistant non-metallic liner in the market today because of quality in material and manufacturing processes. It's performance is greater than conventional metallic liners plates with a great several advantages to reduce excessive maintenance and operation cost.

Features of Zuper Abratech:

- Durability
- Moisture resistance
- Light weight
- Easy maintenance

FABRICATION & REFURBISHMENT

As an R&D-based company, IMCO Alloys takes up new challenges for creating a better solution, we understand the customer's requirement with customized shapes and sizes of the requirement of various material handling chutes. A complete customized Dryer Feed Chute was been manufactured and supplied by IMCO Alloys which was undergoing a massive abrasion issue along with erosion and impact. The chute undergone sever damage due to heavy impact zones varied and the multiple wear issues arising simultaneously. IMCO manufactured customized Dryer feed chute assembly fused with Zuper sintered carbide liners having 60-62 HRC hardness duly finished. IMCO Alloys



proposed a segmented solution to the chute which made the client save time under maintenance as easy fitment and replaceability as a major advantage along with hardness to resist the wear.

VIBROFEEDER

IMCO make Vibrofeeder implanted in Raw Material DSI oprn department at TATA Steel Jamshedpur where the operating material is iron ore having a temperature of 700 – 900 °C with High Abrasion and Moderate Impact Understanding the precise work IMCO Alloys manufactures Vibro feeder that withstands extreme abrasional wear working at a constant motion and bulk handling the Zuper Vibrofeeder made with Zuper sintered carbide liners as a protective shield as a complete wear solution to the feeder.



ZUPER CHOCOBARS

IMCO make Zuper Choco bars easy to use and install and with great impact resistance, it reduces downtime. The maintenance of the Gyrator with lesser manpower gets extremely convenient with an extended lifespan by the application of Zuper Choco bars.



ZUPER BUTTONS

A modified abrasion-resistant composite consisting of carbides in a metallic matrix, metallurgically bonded to a mild steel disc. These carbides have a minimum hardness of 770 Hv and contain carbides upto 1500 Hv. Zuper Buttons are used to protect the bucket from all the sides, it minimises the effect of heavy impact, abrasion & erosion.



IMCO PROVIDED A COMPLETE BUCKET PROTECTION KIT FOR MINING INDUSTRIES



DUOMETAL HAMMER

A revolutionary concept of DUOMETAL™ technology for Cement, Steel, Power plant applications like, Clinker Breaker hammer, Coal Crusher Hammer, Beater heads, Blow bar, etc.

- This is homogeneously fused to the component body. These carbides have a minimum hardness of upto 770 HV and can also be refined to have hardness as high as 1500 HV.

Advantage:

- Highly Cost Effective.
- Superior edge Retention with enhanced Sharpness.
- High crushing efficiency.
- Eliminates replacement costs
- Zero maintenance.
- Reduced down time losses.



ZUPER TIP TYPE HAMMER

Zuper Tip Type Hammer is an made of wear resistant alloy steel duly fused with replaceable tip of metallic matrix composite sintered carbide that are metallurgy bonded to a mild steel backing plate.

The Zuper tip has primary carbide of 1500HV & secondary carbide of 770 HV with overall tip hardness 60-63 HRC

Features:

- IMCO make Zuper Block made of Composite Sintered Carbide block.
- Excellent corrosion, abrasion and impact resistance.
- Hardness 60 – 63 Hrc.
- These Zuper blocks are fitted to the body with bolting through 300 PSI / ST.
- Available in Custom made sizes and orientations.



IMCO MAKE HAMMER CRUSHER ROTOR ASSEMBLY IS AN ULTIMATE CRUSHING SOLUTION

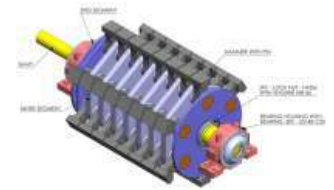
Our crusher is equipped with advanced design & weight balancing technology specially for fine crushing

We also undertake refurbishment cases where the solution is customized as

per our client's requirements considering all the measures

IMCO make parts for rotor crusher assembly as follows:

- Shaft
- Rotor Disc
- Crusher hammer with pin
- Hub & Axle pin
- Bearing & bearing housing



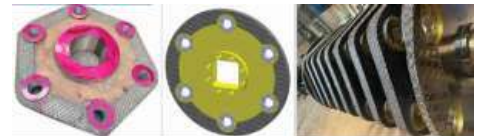
BEARING & BEARING HOUSING

IMCO manufactures bearings and bearing housings specifically designed for heavy-duty applications of crusher hammer rotor assemblies. These components are crucial for ensuring the efficient and reliable operation of crushers, which are used in core industries.



ROTOR DISC

IMCO Make Rotor Disc for rotor crusher is designed for Durability & high performance output by decreasing downtime. IMCO Alloys has advanced



its technology against the conventional rotor disc by impregnating rotor discs with different types of metal matrix composites to resist high impact and abrasion stresses occurred in impact crusher Advantages

Enhanced Durability: Designed various shapes such as circular or Octagonal in shape for its longer durability and customer's requirement.

Efficiency Improvement: Most effective compared to traditional hard facing methods, offering long term investment.

Reduced Downtime: withstand the abrasive impact of limestone, resulting in reduced wear & tear which extends lifespan.

Crushing efficiency: The crushing output is enhanced with a weight-balanced assembly that helps the hammer's efficiency in crushing

Grinding Roller Tire



Grinding Roller Tire

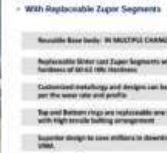


TABLE LINERS

IMCO SOLUTION: IMCO offers Ceramic embedded Hi-Chrome table liners.

Advantages of Ceramic on Hi- Chrome Embedded Table Liners:

- Most Cost Effective Solution
- Maximum wear & abrasion resistance
- Reduced power utilization



www.imcoalloys.com

INDCOIL TRANSFORMERS PVT. LTD.

We are INDCOIL TRANSFORMERS PVT. LTD., a leading transformer manufacturer in Mumbai since 1967. With over 50 years of experience and a top line exceeding 100 Cr+, we supply oil-type and dry-type transformers for various capex projects. Our state-of-the-art facilities in Thane, Maharashtra, enable us to produce all types of transformers with the fastest turnaround time and highest quality. We specialize in Instrument Transformers, including Current, Control, and Potential Transformers, catering to major industries nationwide.

INDCOIL PRODUCT RANGE: (oil and dry-type transformer products)



- Power Transformers
- Oil Cooled Distribution Transformers as per BIS
- Distribution Cast Resin Dry Type Transformers (CRT)
- Distribution VPI Dry Type Transformers (VPI)
- Converter Duty Transformers, Rectifier, Earthing & Furnace Transformers
- Compact Substations
- Lighting Transformers VPI / CRT

OUR TRANSFORMERS ARE APPROVED WITH:

ACC CEMENT, JSW CEMENT, AMBUJA CEMENT, RCF, GRASIM, J K CEMENT, BIRLA CEMENT, ITD CEMENTATION LTD, JSW ENERGY, ISGEC, RVNL, PDIL, WARTSILA, JMC PROJECTS, KALPATARU TRANSMISSION LTD, SEVEN HILLS HOSPITAL, TAJ GROUP OF HOTELS, MMRDA MONORAIL, ABB, SCHNEIDER, L&T AUTOMATION, HONEYWELL AUTOMATION INDIA LTD, GUJARAT FLUOROchemicals LTD, KRISHI RASAYAN EXPORTS LTD., HITACHI POWER, L&T ECC, DEPARTMENT OF ATOMIC ENERGY, AVANT-GARDE, ONGC, PGCIL, TOYO ENGINEERING LTD, DCPL, RIL, MECON, ThyssenKrupp, PDIL, TATA Projects, ISGEC, M N DASTUR, EIL, TATA CONSULTING ENGINEERS, TECNIMONT, JACOBS, ABB, BHEL, THERMAX, L&T HYDROCARBON, L&T Power, L&T Construction, VIKRAM SOLAR, STERLING WILSON, SIEMENS, HINDALCO, C&S, ONGC, RELIANCE, GAIL, NTPC, & MANY MORE.

We have an extensive Service Network with offices and multiple experienced service engineers in Mumbai, Delhi, Kolkata, Ranchi, Bangalore, Vadodara, and Pune. We also provide on-site services, including supervision during installation and service maintenance requirements on a PAN INDIA basis.

POWER TRANSFORMER

- Voltage Class: 3.3kV/ 6.6kV/11kV/ 22kV/33kV
- From 1MVA - Upto 20MVA
- As per IS 2026 standards
- As per IEC 60076 standards



DISTRIBUTION TRANSFORMER

- Voltage Class: 3.3kV/6.6kV/11kV/22kV/ 33kV
- Level-1/2/3/4/5
- From 250kVA - Upto 2.5MVA
- As per IS 1180 standards



CONVERTER DUTY TRANSFORMER

- Voltage Class 3.3kV/ 6.6kV/ 11kV/ 22kV/ 33kV
- Upto-18MVA
- As per IS 2026 standards
- As per IEC 60076 Standards



CAST RESIN TRANSFORMER

- Voltage Class 3.3kV/6.6kV/11kV/22kV/33kV
- From 100kVA - Upto 5MVA
- As per IS 2026 standards
- As per IEC 60076 standards



HERMETICALLY SEALED ESTER OIL TRANSFORMER

- Voltage Class 3.3kV/6.6kV/11kV/22kV/33kV
- From 250kVA - Upto 5MVA
- As per IS 1180 standards



FURNACE TRANSFORMER

- Voltage Class: 3.3kV/6.6kV/11kV/22kV/33kV
- Upto-12MVA
- As per IS 2026 standards
- Type-ONAN/ONAF



VPI DRY TYPE TRANSFORMERS

- Voltage Class: 3.3kV/6.6kV/11kV/22kV/33kV
- UPTO 5MVA
- As per IS 2026 standards
- As per IEC 60076 standards



OIL DISTRIBUTION TRANSFORMER

- Voltage Class: 3.3kV/6.6kV/11kV/22kV/33kV
- UPTO 2.5MVA
- As per IS 2026 standards
- As per IEC 60076 standards



DRY LIGHTING TRANSFORMERS (VPI/CRT)

- Voltage Class: Below 1 KV
- FROM 1KVA - 1000KVA
- As per IS 2026 standards
- As per IEC 60076 standards



COMPACT SUBSTATION (CSS)

- Voltage Class: 3.3kV/6.6kV/11kV/22kV/33kV
- Upto-2.5MVA
- As per IS 2026 standards
- As per IEC60076 standards



www.indcoil.com

INDUSTRIAL SOLUTIONS (Precision Parts, Reliable Solutions)

With over 15 years of experience, Industrial Solutions is a leading manufacturer, importer, and trader of industrial spare parts, serving sectors such as mining, cement, sponge iron, and chemical industries. We specialize in underground mining equipment and provide reliable, performance-driven solutions.



Our core strength lies in manufacturing precision-engineered components, designed to meet the rigorous demands of heavy industrial applications. Our product portfolio includes filters, hose pipes, hydraulic fittings, bearings, V-belts, pulleys, couplings, bolts, nuts, and more. We cater to machines such as LHD 811, LHD 912, Road Header, SDL, UDM, Continuous Miner, Shuttle Car, and Ram Car. We also supply tooth points for Kobelco SK 520, Volvo 480, SDLG Loaders, Liugong, etc.

Additionally, we offer a complete range of spare parts for Eicher tippers and haulage vehicles commonly used in open-cast mining operations.

At Industrial Solutions, we deliver precision, durability, and trust-powering industries with reliable solutions.

PRODUCT SPOTLIGHT: INDUSTRIAL FILTERS

Engineered for high-performance environments, our industrial filters are designed to deliver maximum efficiency and protection in demanding mining operations. Built using premium filtration media and rugged construction, these filters ensure superior dirt-holding capacity, extended service life, and optimal equipment protection.



Ideal for hydraulic systems, fuel lines, and air intakes, they minimize downtime and reduce maintenance costs. Compatible with a wide range of underground and open-cast mining equipment, our filters are trusted by industry leaders for reliability and performance. Discover filtration solutions that keep your machines running cleaner, longer, and more efficiently-only at Industrial Solutions.

PRODUCT SPOTLIGHT: TOOTH POINTS

Built for durability and extreme performance, our high-strength tooth points are designed for tough open-cast mining operations. Manufactured from premium-grade alloy steel, these tooth points ensure maximum penetration, wear resistance, and long service life-minimizing downtime and increasing productivity. Suitable for loaders and excavators of machines like Kobelco, Volvo, and SDLG, they are engineered to perform in the harshest digging and loading conditions. Whether you're moving overburden or handling blasted rock, trust our precision-cast tooth points to deliver superior ground engagement and reliability-making every load count.



PRODUCT SPOTLIGHT: INDUSTRIAL BEARINGS

Engineered for precision, durability, and high-load performance, our comprehensive range of industrial bearings supports critical operations across mining, cement, manufacturing, chemical, and heavy machinery industries. From deep groove ball bearings to taper roller and mounted units, each bearing is designed to reduce friction, enhance motion efficiency, and extend equipment life. With superior sealing, load-handling capacity, and resistance to heat and contaminants, our bearings perform reliably even in the harshest environments. Backed by technical expertise and quality assurance, we provide solutions that keep your operations running smoother, longer, and with maximum uptime.



PRODUCT SPOTLIGHT: INDUSTRIAL HYDRAULIC HOSE PIPES

Built for strength, flexibility, and performance, our hydraulic hose pipes are designed to handle high-pressure fluid transmission in critical industrial applications. Used across mining, cement, manufacturing, and heavy machinery sectors, these hoses offer exceptional resistance to abrasion, heat, and oil. Fitted with precision-engineered end fittings, they ensure leak-proof connections and optimal power delivery. Whether for underground mining equipment or plant hydraulics, our hoses deliver unmatched durability and reliability under extreme working conditions. Trust our hydraulic hose solutions to maintain system efficiency, reduce downtime, and keep your operations running at peak performance.



PRODUCT SPOTLIGHT: PRECISION-ENGINEERED INDUSTRIAL SPARE PARTS

Showcasing our expertise in industrial spare parts manufacturing, this range includes high-precision gears, splined shafts, couplings, keys, seal kit, sleeves, seals, and bushings-engineered to meet the toughest industrial demands. Manufactured using high-grade materials and CNC technology, each component ensures durability, dimensional accuracy, and superior performance under high stress. Widely used in mining, cement, chemical, and heavy engineering industries, these parts are critical to ensuring operational continuity and equipment efficiency. Trusted by end-users, Industrial Solutions delivers custom and standard parts tailored to your needs-keeping your systems running smoothly, reliably, and without compromise.



PRODUCT SPOTLIGHT: FRICTION PLATES

Engineered for performance and durability, our industrial brake discs are essential for high-demand applications in mining, construction, manufacturing, and material handling. These discs ensure consistent braking under extreme loads and temperatures, providing critical safety and control for heavy-duty machinery. Used in hoists, conveyors, and large-scale equipment, they offer superior wear resistance and thermal stability. Trusted across industries where reliability is non-negotiable.



INNOTECH ENGINEERING

Innotech Engineering is a subsidiary division of the TECHINOVA, who has involved in construction and mining industries. We aim to be the premier global provider of innovative solutions for the engineering sector. We embrace new work cultures and have a comprehensive range, we are the complete solution provider for mining and construction industries, with high focus on quality and performance.



INNOTECH

We also have proven advantage in performance and versatile applications at optimal costs. Quality is guaranteed by the incorporation of latest technologies and processes. The product line comprises of a comprehensive range of jaw crushers, Vertical Shaft Impactors (VSI), Feeders, Vibrating Screen, Roll crusher, Bucket elevator, Screw conveyor, Chain conveyor, Apron feeder, Ball

mills etc. Material handling equipment, Air pollution units, Bucket elevators, Customized equipment like Heat exchangers, Tanks, vessels, Pipe lines, rehear furnaces, Roller S furnaces, Gratings and Hand rails, Centrifugal pump (For Industrial purpose), Tower structures related to Electrical and Telecommunications (Including Civil erection to complete product erection and Commissioning). Besides that, we are taking outsourcing projects from different companies which include Structural parts, customized equipment, pipes and fittings, Maintenance of plant.

We focus on providing best latest technology equipment's to our customers which are high productive, lower maintenance, lower cost per ton concept, optimum utilization by following the work procedure like Planning of material, Quality check (Dimensional verification, DP test etc.), fabrication, machining, Assembling with finishing, Painting and Dispatch.

We have well qualified engineers, Supervisors, 45 permanent workers, 5 contractual workers. Out of which 6 fitters, 5 welders (Arc, Argon & Co2), and rest are grinders, Painter and Helpers. A scheduled training programmed is provided to the workers to adequate about new technologies, Improvement of quality of works. We are very particular about safety of our worker in workplace so to minimize the accident in workplace.

The satisfaction of our customers is our success. We plan our strategies and work approach based on the customer requirements so that we can deliver practical and affordable solutions at optimum quality and within time limits each time. Change is the only constant. And we change for betterment. Our zeal of continuous learning and applying what we learnt, takes us forward and makes us better than our competitors. From the day of our foundation, we are on a constant process of learning and developing by brainstorming about new and innovative ideas, which are customer and problem specific. We actively conduct periodical in-house trainings and appreciate our employees to think about new ideas and innovative solution that stand out in the crowd.

GP CONE CRUSHER

- Large Feed Opening.
- High Productivity.
- Easily Adjustable Settings.
- Low Maintenance Cost.
- Easy Automation & High Reliability.
- Optimal Power Utilization.
- Top Access to All Components.



HP CONE CRUSHER

- High productivity and highest reduction ratio.
- Low operating and wear costs.
- Instant gap setting via main shaft control.
- Optimal power utilization relative to cone diameter.
- Advanced structure and crushing principle.
- High efficiency and large capacity.
- Reliable hydraulic system with overload protection.
- Optional crushing cavities for size range flexibility.
- Hydraulic adjustment and clean cavity for high automation.



GRIZZLY FEEDER

- Grizzly bars are adjustable to meet user requirements and particle size adjustments.
- Abrasive-resistant liners with countersunk bolts ensure smooth material flow
- The frame is heavily welded and equipped with heavy-duty helical coil springs.
- A special quality vibrating motor is used.
- Vibrating Grizzly Feeders are designed to handle heavy shock loads from trucks, shovels, and loaders.



TRACK MOUNTED PLANT

We have range for starting from 150 tph and it can be applicable for coal iron ore and aggregate



TYER MOUNTED PLANT

We have range for starting from 50 tph and it can be applicable for coal iron ore and aggregate



VSI (VERTICAL SHAFT IMPACTOR)

- Robust design for reduced operating costs.
- Modular design for easy spare parts replacement.
- Optimized power consumption for efficiency.
- Extended wear and tear life to minimize maintenance costs.
- Optimized rotor speed for increased production capacity.
- Vibration sensors for monitoring and controlling vibrations.
- Low wear and tear thanks to autogenous rock-on-rock crushing.



JAW CRUSHER

- High acceptance capability for varying crushing and abrasive indices.
- Safety shear pin for faster, safer maintenance compared to a breakable toggle plate.
- Step-less, safe, easy, and fast CSS adjustment mechanism.
- Fully welded construction for even load distribution.
- Simple structure with easy maintenance.
- Stable performance.
- Produces even final particles with a high crushing ratio.
- Large balanced flywheels provide continuous inertia.
- Discharge conveyor sized for maximum crusher capacity.



HYDRO CYCLONE (WASHER)

- Portable chassis frames on axles & tires.
- Walkways, handrails, and platforms for maintenance & service.
- Ladders for easy accessibility.
- Stationary structured frames.
- Rapid assembly.
- Maximum recovery.
- Low energy consumption.
- Low total cost of ownership.



VIBRATING SCREEN

- Reliable design for optimum efficiency.
- Optimized screening area.
- Balance of center of mass and vibrating mass for better operation.
- Feed box for initial impact on meshes.
- Independent drive system.
- Maintenance free operation.



www.techinova.net.in

INOSYTEK SOLUTIONS PVT. LTD. (PROCON SYSTEMS)

Inosystek Solutions Pvt Ltd.- PROCON systems is an Engineering Company involved in providing the solutions for Metal Industry. Our Solution Covers majorly with Temperature measurement system. Below are some of the brief solution which company provides.

- Infrared Pyrometer for Harsh Application
- Thermal Imaging Solutions for various Steel / Metal Processing Application
- Infrared Thermometer.
- Furnace Thermal Profiling System



- Dust Dosimeter & Noise Dosimeter.
- Customised Solution of Industrial Sensor Protection and Engineering.
- Automation.

PhoenixTM TEMPERATURE PROFILING/ TUS SYSTEM FOR HEAT TREATMENT APPLICATIONS.

The system can travel with the product through the complete heat treatment cycle including the Gas/ water/ salt or oil quench, monitoring actual product temperatures. The information obtained can then be used to assist with process set up & trouble shooting and to optimize the operation of the process, potentially increasing throughput and reducing energy costs, whilst maintaining product quality. It can also be used to comply with specific industry heat treatment specifications such as AMS2750E, CQI-9 etc.



PhoenixTM 'HOT-BOX' TEMPERATURE PROFILING SYSTEM FOR STEEL SLAB REHEATS APPLICATIONS.

The system can travel with a test steel-slab through the reheat furnace, monitoring the actual slab temperature at critical positions and depths. The information obtained can then be used to verify the mathematical-model to control the transient times and drop out temperatures of the slabs during reheating prior to rolling.



The system includes a high temperature operating datalogger, a thermal barrier to protect the logger from the ambient temperature as it travels through the furnace, thermocouples and easy-to-use analysis software, enabling the user to quick produce comprehensive reports in a clear and concise format.

CASELLA (A TSI COMPANY)

manufacturer of the Air Suspended particles & Environmental Noise monitoring and assessment instruments as per NIOSH, DGMS Compliance & IEC61672 CPCB Guidelines Method, are ideally suited for the measurement of particulate concentration such as dust, smoke, fumes, Gases from combustion, materials processing, manufacturing process & Environmental-Noise. These Air & Noise Pollutants interfere in Working place of manufacturing process resulting spread contamination, illness and low worker productivity from the inhalation of toxic substances contributory factors to many chronic and acute medical conditions, including asthma, bronchitis, and lung cancer (Silicosis, pneumoconiosis) & Noise Induced Hearing Loss.



ECOM-Germany manufacturer of Flue Gas Analyzer, which is world's most compact, Economical, accurate which makes user more flexible on measurement by its Precision techniques i.e.



- Second Purging-pump for CO Protection against Higher Concentration
- Inbuilt Peltier-Chiller with Printer
- Instrument must have inbuilt averaging function (Mean Value)
- Longer Shelf Life of O2 Sensor upto 4 Years
- Lightest & Compact in Weight

Kunak – Spain Manufacturer of Air Quality Monitoring Equipment which is MCerts Certified, USEPA Tested. Measures Environmental data such as PM, Gases-VOC, Noise, WindSpeed-Direction, Temperature-RH, Solar-Radiation, Rain Gauge and many other parameters simultaneously, gives data remotely through Cloud-Server.



SLAG DETECTION SYSTEM- AMETEK LAND

- Rugged Design: The SDS system is designed to withstand the harsh conditions of continuous operation in the steel plant.
- Intelligent Imaging: At the end of the tap the levels of slag and steel rapidly reverse. SDS uses a high resolution Radiometric Thermal Imaging Camera to detect the steel and slag. The power full and intelligent software generates an alarm at predetermined level of slag to stop the tap.
- Automatic Stream Tracking: The SDS System is equipped with "automatic stream tracking". The dedicated Image PRO software has the option to

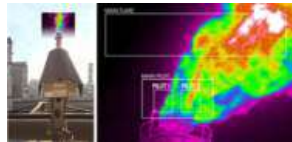


track the width and position of the stream regardless of the position of the sensor unit.

FLARE STACK MONITORING-AMETEK LAND

Flare stacks are widely used in industries especially chemical, petrochemical and steel to safely dispose of excess gasses through combustion. These may be unwanted waste gases, or flammable gases released to prevent unplanned over-pressurising of plant equipment.

AMETEK Land's **LWIR-640** thermal imager produces high-resolution thermal images of any target, from any distance. This allows the flame to be monitored from a safe distance, ensuring the camera is not damaged by stack conditions and also making maintenance much safer and easier. The imager produces a visual image, but also detects the infrared radiation emitted from the flame. This means the camera sees the flame whether it is coloured or clear, and whatever the weather.



www.inosystek.com

INSTADIGIN

InstaDigin: Powering the Digital Future of Mining and Infrastructure

InstaDigin

Easyinfra Techno Pvt. Ltd., branded as InstaDigin, is transforming the mining and infrastructure sectors through cutting-edge solutions in IoT, AI, and real-time data intelligence. Founded in 2022 by alumni of IIT Dhanbad and IIT Roorkee, InstaDigin is enabling companies to boost efficiency, improve safety, and drive sustainability through operational digitalization.

Already trusted by industry leaders like UltraTech Cement Ltd, Essel Mining & Industries Ltd, and Ashoka Buildcon Ltd, InstaDigin is rapidly expanding its footprint across India.

In a major stride towards innovation, InstaDigin has partnered with TEXMIN (Technology Innovation in Exploration & Mining Foundation), a premier initiative supported by IIT (ISM) Dhanbad, to co-create next-generation mining solutions.

DATA INTEGRATION & ANALYTICS

InstaDigin's Data Integration & Analytics empowers mining and infrastructure enterprises to unify their operational data and unlock actionable insights. By integrating information from IoT devices, GPS systems, ERP platforms, and other sources into a single intelligent dashboard, it delivers real-time visibility, predictive analytics, and automated alerts—all designed to improve efficiency, enhance safety, and reduce operational costs.

With scalable architecture, customizable modules, and AI-powered insights, InstaDigin helps businesses make smarter, faster, and data-driven decisions across their entire ecosystem.



FLEET & FUEL MANAGEMENT

InstaDigin's Fleet & Fuel Management Solution is designed to optimize the performance, safety, and productivity of mining and infrastructure fleets. Using IoT sensors, and real-time analytics, the platform provides complete visibility into vehicle movement, fuel usage, driver behavior, and equipment health.



With features like Operator-Independent Truck Dispatch System (OITDS), live GPS tracking, fuel monitoring, trip analytics, geo-fencing, and predictive maintenance, the platform helps reduce idle time, eliminate pilferage, and maximize fleet productivity. The solution is scalable, easy to deploy, and tailored to meet the demands of mining and construction operations.

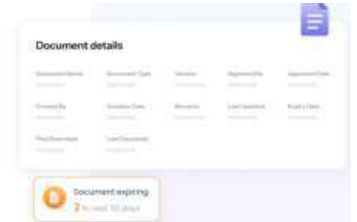
Built for HEMMs, InstaDigin helps drive efficiency, ensure compliance, and

reduce operational costs—all from a centralized dashboard.

InstaDigin's **Task Monitoring & Document Management System** provides a unified solution to streamline operations and improve efficiency across mining and infrastructure projects. The Task Monitoring System ensures real-time tracking of tasks, assignments, and deadlines with automatic alerts and progress updates, enhancing accountability and coordination.



Meanwhile, the Document Management System (DMS) centralizes and secures project documentation, with features like version control, user-based access, and audit trails, ensuring compliance and easy collaboration.



Together, these systems optimize project workflows, increase transparency, and enhance productivity by offering a seamless experience for managing both tasks and critical documents.

InstaDigin's **Mineral Exploration Database Management System**

centralizes and secures exploration data—bringing together drill logs, geological mapping, assay results, and survey data in one intelligent platform.



Designed for geologists, exploration teams, and decision-makers, the system enables structured data storage, quick retrieval, and seamless integration with GIS and modeling tools.

With features like multi-format data import, version control, and access control, it enhances collaboration, ensures data accuracy, and accelerates exploration planning and reporting.

Built for scalability and compliance, the system empowers mining companies to make faster, data-driven decisions across the entire exploration lifecycle.

InstaDigin's **Statutory Compliance Management System** simplifies and automates the tracking of regulatory requirements in the mining and infrastructure sectors. It centralizes all compliance-related activities—permits, licenses, audits, inspections, and document submissions—into a unified, easy-to-manage dashboard.



With features like automated reminders, compliance calendars, document storage, and status tracking, the system ensures no deadline is missed and reduces the risk of non-compliance.

It enhances transparency, streamlines reporting, and helps organizations stay audit-ready while adhering to DGMS, MoEFCC, and other regulatory norms.

Robust, secure, and customizable—the solution brings peace of mind to compliance teams and operational leaders alike.

VIDEO ANALYTICS SOLUTION

InstaDigin's Video Analytics Solution brings AI-powered intelligence to mining and infrastructure sites by transforming live CCTV feed into actionable insights. The system enables real-time monitoring, intrusion detection, PPE compliance, vehicle movement tracking, and unauthorized access alerts—enhancing both safety and operational control.



With integration into existing surveillance infrastructure, the solution offers event-based alerts, smart dashboards, and incident recording, allowing teams to respond quickly and make informed decisions. Customizable to suit rugged site conditions, it minimizes manual supervision while boosting compliance, security, and situational awareness.

Designed for high-risk environments, InstaDigin's video analytics turns passive video into proactive site intelligence.

www.instadigin.com

INSTRON (ITW INDIA PVT. LTD.)

Instron is a renowned global leader in materials testing solutions, established to address the increasing demand for high-quality testing equipment. The company offers a comprehensive range of products and services tailored to meet the diverse needs of various industries, such as automotive, aerospace, biomedical, and manufacturing. Instron's solutions are designed to ensure the highest standards of quality and reliability, enabling businesses to achieve precise and accurate testing results. With a strong commitment to innovation and customer satisfaction, Instron continuously develops advanced testing technologies and provides exceptional support to its clients worldwide. Their expertise and dedication make them a trusted partner for organizations seeking reliable and efficient materials testing solutions.

For over 75 years Instron has supplied testing systems to the world's leading manufacturers and educational, scientific, and research institutions. Instron has long partnered with metals manufacturers to design systems to meet their unique needs. Our engineers participate in all relevant ASTM and ISO committees to advance the standards and make sure that all Instron systems, software, extensometers, and accessories are up to date on compliance. Our testing systems are designed to last for decades, and buying an Instron is assurance that your investment will continue to meet industry standards well into the future.



Instron Series electromechanical universal testing machines can perform a wide range of mechanical tests including tensile, compression, bend, peel, tear, friction, and shear testing. These systems are designed to test materials, components, and products in accordance with ASTM, ISO, and other industry standards. Compatible with hundreds of accessories for a wide range of applications, these universal testing systems are available in a multiple sizes and configurations for R&D, QC, and other mechanical testing up to 600 kN force.

The Instron servo-hydraulic test systems are designed to cater to a wide range of testing needs. These systems are utilized to perform strength, fatigue, and fracture tests across a variety of materials, including metals, composites, and plastics. With force capacities ranging from 25kN to 2000kN.

Additionally, all Instron servo-hydraulic test systems can be integrated with an environmental chamber to simulate subzero or cryogenic conditions, as well as a HT Furnace for conducting tests at elevated temperature. This integration enhances the systems' capability to replicate real-world environmental conditions, ensuring comprehensive and accurate testing outcomes.

The Instron High Force Fatigue Testing Machines are servo-hydraulic solutions built for testing materials or components at large forces using a four-column high stiffness loadframe and a spacious T-slot bed. They are typically used for static and fatigue testing of metals, wire ropes, rebars, rails, concrete and aerospace components. These test systems can be configured to tests Fracture Toughness (FAT) and



Crack Tip Opening Displacement (CTOD) tests under corrosive environment.

www.instron.com

INTERNATIONAL COMBUSTION (INDIA) LTD.

International Combustion (India) Limited (ICIL) is a pioneer in engineering solutions for core industries including mining, steel, cement, coal, power, and infrastructure. With over eight decades of experience, ICIL has built a reputation for technological innovation, precision engineering, and reliability.



Headquartered in Kolkata with ISO 9001:2008 certified manufacturing units in Kolkata, Nagpur, Aurangabad, and Ajmer, ICIL offers an extensive product portfolio:

- Vibrating Screens, Grizzly screen & Heavy-Duty vibrating Feeders.
- High-Performance Flip-Flow screens
- Multi deck sizers and high frequency screens with technology from Mogensen Germany
- Advanced Screening Media: Polyurethane & Rubber Decks
- Jaw, Cone, VSI Crushers including complete crushing and screening plants
- Raymond® Grinding Mills & Classifiers
- Drying Systems (Rotary drum dryer)
- Bulk Material Handling Systems
- Geared Motors & Gearboxes (Bauer B2000 Series)
- Various Building Materials & Construction Chemicals.

ICIL's strength lies in its global Association and technological tie up with industry leaders such as Carl Schenck AG Germany, Bauer Germany, Allgaier Process technology GmbH Germany & FLEXIMAT Austria ensuring state-of-the-art technology for Indian conditions.

A pan-India marketing and service network ensures end-to-end support—from design consultation to commissioning and after-sales service—backed by in-house R&D, simulation, and performance optimization.

ELECTROMECHANICAL VIBRATING FEEDERS - TECHNOLOGY – CARL SCHENCK AG, GERMANY

- Extraction & Feeding /Conveying of Bulk material
- Capacity - Up to 3500 TPH
- Capacity variation : 40 – 100%
- Size range : Up to 3000 mm wide X Up to 8000 mm long
- Type of Exciter :
 - DF Exciter for heavy/extra heavy-duty application
 - Unbalance Motor Exciter for medium duty application



LINEAR MOTION / BANANA SCREENS/GRIZZLY SCREENS

- For screening of abrasive materials e,g Coke, Sinter, Pellet, DRI, Ores etc. in dry & wet process
- Separation size : 3 mm to 250 mm
- Screen Size : Up to 4 m wide X Upto 10 m long
- Large handling Capacity : up to 2500 TPH of Ore
- Number of Decks up to 3
- Screening Applications :
 - Mines – Ore, Limestone, Bauxite
 - BF Stock House
 - Sinter & Pellet Plant
 - DRI Plan
 - Coal Handling Plant



FLIP FLOW SCREENS (MK II) Technology - Fleximat, Austria

- Used for difficult to screen material – high moisture, high clay and fine cut point

- Dual Vibrations Mechanism with 50 'g' acceleration on deck surface
- Circular / Linear Motion as well as in Banana configuration
- Single & Double Deck Construction
- Separation Size : 1 mm to 30 mm
- Screen Size : up to 3.6 m wide X Upto 10.6 m long



MULTI-DECK SIZERS Technology – MOGENSEN, GmbH

- Gradual segregation of particles, no bed formation over screen deck
- 3 to 6 progressively inclined decks with progressively finer mesh apertures
- Separation size range from 0.15 mm to 40 mm
- Machine width : 500 mm to 3000 mm
- Provision for Deck Cleaning arrangement
- Screening Applications
 - DRI - Pellet - Coke
 - Aggregate Sand & Gravel - Sugar



JAW CRUSHER

- Reversible Jaw Plate
- Interchangeability of fixed and moving Jaw plate
- Capacity : Upto 500 MTPH
- Available Model : OM 9070, OM 10080, OM 11090
- Applications – Iron Ore, Gabbro, Basalt, Coal. Bauxite etc.



CONE CRUSHER

- State of the art Fixed Shaft Crushers
- Capacity : Upto 715 TPH
- Available Model : OC 1000, OC 1350, OC1500
- Application : Iron Ore Gabbro, Basalt, Coal. Bauxite etc.



VSI CRUSHER

- For Shaping of Products
- Capacity upto 750 TPH
- Available Model : VSI 150, VSI 225, VSI 375
- Application : Manufactured Sand, Quartz, Refractories



IC BAUER 2000

Bauer's B2000-series geared motors are modular, high-efficiency drives, designed for demanding industrial applications. They encompass:

- BG (inline helical): Torque 20 – 18 500 Nm; speeds 0.3 – 450 min⁻¹; power up to 75 kW; IP65/IP66; low noise, 15 000 hr lubrication.
- BF (shaft-mounted helical): Power 0.03 – 75 kW; torque 90 – 18 500 Nm; integrated torque-arm for conveyor applications
- BK (bevel-helical right-angle): Power 0.03 – 75 kW; torque 80 – 18 500 Nm; compact and efficient.



www.internationalcombustion.in

INTERSTATE SUPPLY COMPANY

Interstate Supply Company, your premier destination for Industrial Lubricants & Greases! As a trusted distributor of top-notch brands, we specialize in providing tailored lubrication solutions to meet the diverse needs of industries throughout India.



With a comprehensive range of products from leading manufacturers, backed

by our expertise and commitment to quality service, we ensure optimal performance and efficiency for your machinery and operations. Explore our extensive catalogue and experience the difference with Interstate Supply Company.

We are proud to be the authorized distributors of the following renowned brands:

- BHARAT PETROLEUM CORP. LTD. (MAK)
- HIDUSTAN PETROLEUM CORP. LTD. (HP)
- GULF OIL LUBRICANTS INDIA LIMITED (GULF)
- BALMER LAWRIE & CORP. LIMITED (BALMEROL)
- GENERATION FOUR ENGITECH LTD (HITECH SOLUTIONS)

TRANSFORMER OIL

Transformer oil is an insulating oil that has been specifically designed for use with transformers and other electrical equipment elements by enabling them have electric insulation as well as suppressing corona and arcing while dissipating heat thereby keeping cool these components hence ensuring they perform at optimum levels and last longer without causing problems such as breakdowns and other failures.



HYDRAULIC OIL

Hydraulic oil is a specially formulated fluid used in hydraulic systems to transmit power. It is designed to provide lubrication, corrosion protection, and heat transfer capabilities to ensure smooth operation of hydraulic machinery. With its high viscosity index and anti-wear additives, hydraulic oil helps maintain system efficiency and prolong equipment life. Suitable for a wide range of temperatures and pressures, this essential fluid is crucial for the proper functioning of hydraulic systems in various industries.



GEAR OIL

Gear oil are classified mineral oil and synthetic lubricants which are formulated with specifically titled substances to shield gear systems within many machineries such as automotive transmissions, differentials, planetary gear mechanisms, etc. They play an important role of lubrication to lessen friction, wear and heat in gear contacts. Gear oils are often defined by their high viscosity, allowing them to hold onto a protective film under heavy loads and temperature fluctuations. They could also add various additives including anti-wear, anti-oxidation, extreme pressure (EP).



ENGINE OIL

Internal combustion engine need some stuff that helps to soften the engine parts from rubbing off with each other. Engine oil acts like lotion between the moving parts which prevents too much damage when they move against each other. This should help because when two metals come against other as a result of motion there will be a great deal of resistance this is what causes heat to be generated. Engine oil fills in the gap that would otherwise be left between these moving surfaces thus reducing the rate of wear and tear significantly. Moreover it also removes such harmful substances as soot from the combustion chamber diatoms from other places. Thus it prevent the rusting of machine parts as well as prolong its service life.



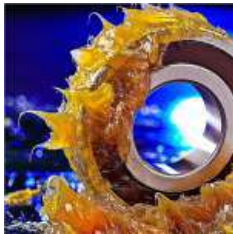
CUTTING OIL

The purpose of metalworking oil is to decrease friction, heat, and tool wear during machining and metal-forming operations. Such liquids make cutting, drilling, and grinding tools effective and long-lasting while producing a perfectly even surface on the metal piece, feedstock or workpiece. They also help to quench deep holes faster, remove metal chips better maintaining the more exact sizes of workpieces during operations on metals, improve its quality as well.



GREASES

Greases are semi-solid lubricants composed of a base oil thickened with a soap, such as lithium or calcium, to form a stable substance suitable for lubricating moving parts in machinery and automotive applications. They adhere well to surfaces, reducing friction and wear even under extreme pressures and temperatures. Greases also provide protection against water ingress and corrosion, making them essential for prolonging the lifespan and maintaining the efficiency of bearings, joints, and other components in various industrial and mechanical systems.



www.interstatesupply.co.in

ION EXCHANGE (INDIA) LTD.

Ion Exchange is a pioneer of water treatment in India with over six decades of experience and a global footprint across sales, production and service. As one of the few companies worldwide offering integrated solutions for water, wastewater, solid waste management and waste-to-energy, we deliver 360° sustainable water and environmental management across sectors.



Our solutions span from influent and process water treatment to effluent recycling, zero liquid discharge, seawater desalination and solid waste-to-energy conversion. Backed by ISO 9001:2015 (Quality), ISO 14001:2015 (Environment) and ISO 45001:2018 (Health & Safety) certified and DSIR-recognised R&D and Technology Centres, we develop advanced ion exchange resins, membranes and speciality chemicals for both water and non-water applications.

We serve industries, municipalities, communities, institutions and homes through customised, turnkey systems that combine innovation with reliability. Our Zero B range of water purification solutions addresses needs across urban, rural, household and institutional segments.

For the mining industry, we offer comprehensive, end-to-end water and wastewater treatment solutions. By analysing process flows in-depth, we design and implement high-performance, cost-efficient systems that ensure continuous uptime, lower water consumption/ton through recycle, lower costs, lower / zero discharge of pollutants etc. all with single-point responsibility for seamless execution.

At Ion Exchange, we blend innovation with a deep commitment to service, creating solutions that drive value, efficiency and sustainability worldwide!

PROCESS CHEMICALS FOR MINING SECTOR

- Flocculant for thickeners for better clarity for Coal Washeries
- Flocculants and Coagulant for Dewatering for Better /enhance cake formation for non-Coking coal Washeries
- Collector & Frother and Collector Cum Frother for Coking Coal Washeries.
- Coal Anti-Oxidant for Spontaneous Combustion at Coal Yard,
- Dust suppressant for Haul Road & unpaved Road



RAW WATER TREATMENT SOLUTIONS FOR MINING SECTOR

- Full range of advanced clarification and filtration equipments along with chemicals including Food Grade flocculants, coagulants, Antiscalant for surface water treatment for Process and Ore Slurry Preparation etc.



DRINKING WATER SOLUTION

- Drinking water purification systems for industry, communities, urban & rural
- Zero B Point-of-use drinking water purifiers
- Full range of processes - membrane /non-membrane / non-electric



- Salinity, fluoride, nitrate, arsenic, iron & manganese removal systems

MINES WATER RECYCLE & DOSING SYSTEMS

- Recycling systems for Mine Water re-use to reduce load on Fresh water intake incorporating clarification, filtration, ultra filtration, reverse osmosis, forward osmosis, multiple-effect evaporator
- Range of polyelectrolytes for colour, COD, TSS removal, etc.
- Auto Preparation & Dosing system for Flocculants & Coagulant for Mine Water Treatment.
- Auto Preparation & Dosing System for Flocculant & Coagulant for Non Coking coal Washeries
- Dosing System for Collector & Frother for Coking coal Washeries



SEWAGE TREATMENT, RECYCLE & SLUDGE MANAGEMENT

- Packaged & customized sewage treatment systems.
- Widest range of biological process systems - SBR, MBBR, MBR, advanced anaerobic treatment processes.
- Tertiary treatment systems incorporating range of filtration and membrane processes.



INTEGRATED WASTE MANAGEMENT

- An advanced process for treating liquid waste (sewage/sullage) and organic kitchen waste (generated in homes and communities), using our state-of-the-art technologies such as the INDION® IPC MBR and INDION Advanced Bio-methanation process.



www.ionexchangeglobal.com

JAYASHREE ELECTRON PVT. LTD.

It all begins in 1972 with Jayashree Group Mother Organization Jayashree Enterprises Launched with Patented product Electrodynamical Speed switch. Now there are Three company under JAYASHREE GROUP



- Jayashree Electrodevices Pvt. Ltd. Having Conveyor safety switches like pull cord switch, Belt sway switch, Belt watch panels and servo Motors.
- Jayashree Electron Pvt. Ltd. Having products like Zero Speed switches. Proximity switches, soft starters, sequence Timers, Electronic brakes.
- Jayashree encoders - Having product like Optical Encoders.



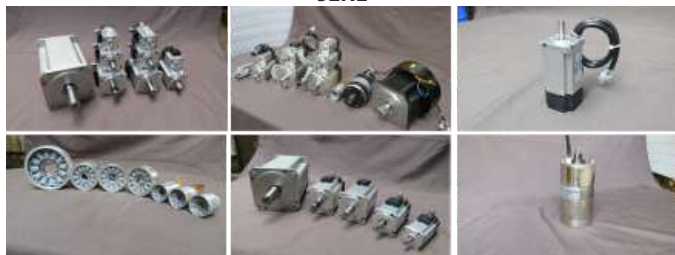
THE PERFECT CODER

Today we are having more than 6000 satisfied customers we are committed to supply products of high quality and are geared up to meet challenges of 21st century .We sold our products in several countries worldwide.

JEDL



JENL



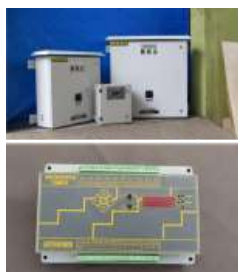
LEVEL SENSOR



PROXIMITY



SEQUENCE TIMER



SOFT START



SPEED SWITCH



www.jayashree.co.in

JOHN FINLAY INDIA PVT. LTD.

John Finlay India Pvt. Ltd. is a subsidiary of the John Finlay Group of Companies, an established global leader in coal washery EPC, equipment manufacturing, and consulting, headquartered in Brisbane, Australia, founded in 1974



John Finlay Group has executed 125+ EPC projects for coal washeries globally, operates 102+ sites, and handles around 179.2 MTPA of coal processing annually, with more than \$4.21 billion in cumulative work orders and over 5,000 employees.

Our company offers top-notch design and engineering services for coal washery operations. With over 50 years of experience, we offer a comprehensive range of services to enhance efficiency and productivity. Our team provides solutions for initial concept design, feasibility studies, process optimization, equipment selection, and project management.

Our dedicated team provides comprehensive supervision for all your coal washery needs, from planning to maintenance. We offer customized solutions with a focus on safety, quality, and sustainability. Contact us to learn how we can help improve your coal washery operations.

Process Equipment Manufacturing includes heavy media cyclones, vibrating screens, three-product cyclones, centrifuges, magnetic separators, DM bath, and dry sorting equipment, essential for efficient handling and processing of coal, ensuring high-quality end products. Heavy media cyclones separate coal and rock to produce clean coal, while vibrating screens grade coal and remove impurities and centrifuges dewater coal fines and slurries.

HEAVY MEDIA CYCLONE

John Finlay Engineering & Tech Group of Companies manufactures world-class

Heavy Media (H.M.) Cyclones tailored to specific client requirements, ensuring optimal performance in coal and mineral beneficiation. Our H.M. Cyclones are designed for high separation efficiency, delivering excellent EP (Efficiency Partition) values.



Each cyclone is internally lined with high-grade alumina ceramic liners, providing superior wear resistance and significantly extending the operational life of the equipment. These precision-engineered units offer consistent performance, durability, and are ideal for heavy-duty applications where reliability and efficiency are critical.

BASKET CENTRIFUGE

John Finlay Engineering & Tech Group of Companies designs and manufactures custom-engineered Basket Centrifuges specifically for mineral beneficiation applications. Our centrifuges are built for high efficiency solid-liquid separation, ensuring reliable dewatering performance across a wide range of mineral types.



Engineered for long service life, each unit features robust construction with the highest-grade shelling materials, providing exceptional resistance to wear and corrosion. The design focuses on optimized basket dynamics and vibration control, making it suitable for continuous and heavy-duty operations in mineral processing environments.

SCREENING SOLUTIONS

John Finlay Engineering & Tech Group of Companies manufactures and supplies world-class screening equipment tailored to meet the specific needs of clients across mineral and coal beneficiation industries. Our product range includes:

- Dry Screens
- Wet Screens
- High-Frequency (HF) Screens
- Banana-Type Screens
- Single & Double Deck Screens



Each screen is custom-designed to ensure maximum efficiency, durability, and performance, delivering precise particle separation and long service life. Our engineering expertise ensures optimal screening results in the most demanding operational environments.

DENSE MEDIA BATH (D.M. BATH)

John Finlay Engineering & Tech Group of Companies specializes in the design and manufacturing of high-performance Dense Media Baths (D.M. Baths) for coal and mineral beneficiation. Engineered for high separation accuracy and efficiency, our D.M. Bath systems ensure precise density-based separation of raw materials.

Key Features & Technical Highlights:

- Robust construction for heavy-duty operation
- High separation efficiency with low EP value
- Custom-designed sizes to suit client throughput requirements
- Suitable for +13mm to -100mm coal and ore fractions
- Fitted with ceramic/rubber lining for extended wear life
- Optimized for stable media density control and low maintenance
- Equipped with adjustable reject and clean coal gates for performance tuning



John Finlay D.M. Baths deliver reliable, consistent results and are built to meet the most demanding operational and environmental standards.

DRY BENEFICIATION – RING SHAPE SEPARATOR BY JOHN FINLAY

John Finlay Engineering & Tech Group of Companies proudly introduces the world's first Ring Shape Dry Separation Equipment, a revolutionary innovation in dry beneficiation technology. Designed for coal and mineral processing without water, this equipment sets a new benchmark in environmentally friendly separation solutions.

Key Features:

- Feed Size Range: 10–50 mm & 50–300 mm
- Organic Efficiency: Up to 95%
- 360° Free-Fall Separation for uniform distribution and high precision

- Powered by Artificial Intelligence (AI) and Machine Learning (ML) algorithms for real-time adjustment and optimization
- No water usage – ideal for arid regions and sustainable operations

Low operating cost, minimal maintenance, and high throughput. This cutting-edge technology enables efficient separation of high-ash and low-ash fractions, supporting clean coal initiatives and sustainable mineral beneficiation practices globally.



SPIRAL CONCENTRATOR

John Finlay Engineering & Tech Group of Companies designs and manufactures high-efficiency Spiral Concentrators for the gravity separation of fine coal and minerals. Engineered for simplicity, durability, and precision, our spiral concentrators are ideal for beneficiation plants requiring reliable separation with low maintenance.

Key Features:

- High separation efficiency for fine particles (+0.2 mm to -1.0 mm)
- No power required – operates solely on gravity
- Robust FRP (Fiberglass Reinforced Plastic) construction for corrosion and wear resistance
- Multi-turn spiral design for enhanced recovery and product purity
- Suitable for coal, iron ore, chromite, beach sand, and other heavy minerals
- Low operating cost and minimal maintenance
- Modular design allows easy installation and scalability



John Finlay Spiral Concentrators deliver superior performance and long-term operational reliability, making them a preferred choice in mineral beneficiation circuits worldwide.

FROTH FLOTATION CELL (FFP)

John Finlay Engineering & Tech Group of Companies manufactures high-efficiency Froth Flotation Cells (FFP) designed for fine coal and mineral beneficiation. Our flotation cells are engineered to achieve maximum recovery, improved concentrate quality, and consistent performance across a wide range of applications.

Key Features & Characteristics:

- High separation efficiency for ultrafine particles
- Custom-designed cells based on feed characteristics and throughput
- Efficient aeration system for optimal bubble-particle interaction
- Adjustable froth depth and air flow to control grade and recovery
- Robust construction with corrosion and wear-resistant materials
- Suitable for coal, base metals, nonferrous ores, and industrial minerals
- Low reagent consumption and energy-efficient operation



John Finlay's FFP units deliver stable froth, high-grade recovery, and process flexibility, making them ideal for modern beneficiation plants seeking consistent and cost-effective performance.

www.johnfinlay.in

KAMLESH METAL & ALLOY

Kamlesh Metal & Alloy was established in the year 2000 and has since become one of India's premier suppliers of high-quality steel plates. We are the sole authorized distributor of Hardox® and Strenx® steel plates in India, renowned for their unmatched durability and strength in industrial applications.

With a state-of-the-art warehouse near Nhava Sheva Port, we maintain a robust inventory of approximately 3000 MT of steel plates, ensuring prompt



KAMLESH METAL & ALLOY®

and efficient delivery across the country.

Our products cater to diverse industries, including mining equipment, cement plants, power plants, construction equipment, and more, emphasizing wear resistance, structural strength, and superior performance.

At Kamlesh Metal & Alloy, we are committed to offering solutions that drive innovation and efficiency in the industrial sector, supported by our decades of expertise and unwavering dedication to quality.

For inquiries, feel free to reach out and experience the best in steel plate solutions!

Hardox is a high-strength, wear-resistant steel plate developed by SSAB, designed to withstand extreme wear and abrasion. Known for its hardness, toughness, and long service life, Hardox is used in industries such as mining, construction, recycling, and agriculture. It enables the manufacturing of lighter, more durable equipment, improving performance and reducing downtime. Available in various grades and thicknesses, Hardox offers excellent weldability and formability, making it a versatile choice for demanding applications. Its unique combination of hardness and toughness ensures exceptional resistance to impact and wear, helping businesses increase productivity and reduce maintenance costs in harsh working environments.



Strenx is a high-performance structural steel developed by SSAB, known for its exceptional strength, light weight, and durability. Designed for load-bearing applications, Strenx allows manufacturers to produce stronger yet lighter structures, leading to improved fuel efficiency, sustainability, and performance. It is widely used in industries like construction, transportation, lifting, and agriculture. With excellent weldability, bendability, and machinability, Strenx helps create innovative designs without compromising strength or safety. Available in a wide range of grades and thicknesses, Strenx empowers manufacturers to push design boundaries while ensuring structural integrity and long service life even in the most demanding conditions.



www.kamleshmetalalloy.com

KATEEL ENGINEERING INDUSTRY PVT. LTD.

KATEEL ENGINEERING INDUSTRY (P) LTD. was established in the year 1983, manufacturer and supplier of Industrial Disc Brakes, Drum Brakes, (Pneumatic & Hydraulic), Electro Hydraulic Disc Brakes and Drum Brakes, Electro Magnetic Disc & Drum Brakes, Rail Clamps, Emergency Brakes and Brake Liners.



The Company was floated by Mr. H.V. RAMASWAMY & Mr. K.N. SHANKAR, who are technically qualified. They are also Directors since inception.

Our Major Customers are:

- | | |
|------------------------|--------------------------------|
| • M/s. Tata Group | • M/s. L & T |
| • M/s. JSW Steel Group | • M/s. BHEL |
| • M/s. BEML | • M/s. Thyssenkrupp Industries |
| • M/s. SAIL Group | • M/s. Megha Engineering |
| • M/s. A.P. Cranes | • M/s. FAM Material Handling |
| • M/s. Crown Industry | |

The Kateel range of hydraulic Brakes can deliver the Braking force up to 6 lacs N and use specially formulated hydraulic oil (Hydrol 68) to deliver the desired hydraulic pressure. These hydraulic brakes require a hydraulic power unit to operate the brake. Variable braking torque can be achieved by regulating the hydraulic pressure.



APPLICATION AREA

- | | |
|-----------------|---------------------|
| • Mine winder. | • Steel Industries. |
| • Wind Turbine. | • Conveyor. |

- Cranes.
- Bulk Material Handling Equipment./stacker & Reclaimer.

FEATURES

- Compact design.
- Low maintenance.
- lower brake disc temperatures.
- Removable brake pad holders.
- Pad retraction springs are mounted as standard.
- Drain ports for hydraulic oil leakage.
- Quick Brake response.
- Large brake pad area.
- Brake pad life is more.
- Changing the brake pad is easy.

The Kateel range of pneumatic brakes uses dry and compressed air at pressures up to 7 bar. These pneumatic brakes require a control valve which may be operated manually / by electric signal and Braking force up to 25000 N.



APPLICATION AREA

- Steel Industries.
- Paper Industries.
- Tyre Industries.
- Sugar Centrifuge
- Cable Industries.
- Wire Drawing Machine.
- Textile Machineries.
- Special Purpose Machines.

FEATURES

- Compact design.
- Low maintenance
- Suitable for wet, dusty and corrosion aggressive
- Environments.
- Easy mounting.
- Less space consumption.
- C o s t effective.

Electro Hydraulic Thruster operated Drum Brake is used in Cranes, Conveyors and Material Handling Equipment and we are having Size from 100mm to 760mm Drum size and torque capacity up to 9600NM.



OPTIONS

- Automatic liner wear compensator
- Torque scale – for adjusting braking torque from 0 – 100%
- Manual release mechanism

Kateel Electro hydraulic thruster Disc Brake is a fail safe brake. When power supply is given to the motor, hydraulic pressure builds up inside the thruster and the piston moves up to release the brake. When the power is cut off, hydraulic pressure gets released and the piston moves down, thus moving the brake arm forward allowing the pad to clamp the disc with the spring force and apply the brake and torque can be achieved up to 25000NM with Brake disc Ø1200mm.



OPTIONS

- Automatic liner wear compensator
- Torque scale – for adjusting braking torque from 0 – 100%
- Manual release mechanism

FEATURES

- High efficiency.
- Compact design
- Suitable for wet, dusty and corrosion aggressive environments.
- Cost effective
- Easy mounting.
- Low maintenance

The subject rail clamp is used as a parking brake for the trucks operating at sea shores. Refer to figure 1.1 for general arrangement of the clamp. It consists of two main links whose one end is connected to hydraulic actuator while the other end is fitted with brake pads. Both main links are hinged and supported by internal frame. The main links are also connected to springs through connecting links. The external frame is connected to truck. During the parking condition, the truck is held by clamping of the rails by spring force. To move the truck, rail clamp is release by actuating hydraulic cylinder. The external and internal frames are connected through a floating arrangement to accommodate the misalignment generated during truck movement. During



parking condition, the clamp is subjected to a separating force generated due to wind or storm acting on the truck. The objective of the present work was to design a rail clamp of 130 KN capacity.

FRICITION MATERIALS-SINTERED

Metal-ceramic bronze-graphite friction material with high content of ceramic components and graphite, designed for a dry friction use.



Material characteristics :

- High co-efficient of friction.
- High wear resistance.
- The lining is solidly joint to its steel base pad by the layer of connecting material.
- Good thermal stability up to 450°C, for a short term up to 800°C.
- Small effect on the opposite surface.
- Suitable for grinding, drilling and recess work
- Friction co-efficient stability in a wide range of operating conditions

KATEEL has introduced a high torque spring applied, air-cooled disc brakes for use in Surface Mining, Oilfield and other heavy-duty industrial machinery designs. These Brakes are to stop and hold machinery during emergency and safety critical situations. Standard brakes can be designed with multiple discs to generate max.6,20,000NM of static torque. All the brakes are pneumatic release so there is no need to worry about contaminated brake oil, hydraulic spills, or high pressure lines.



Application:

- Draw works
- Winches
- Conveyors
- Shears

www.kateel.com

KENNAMETAL INDIA LTD.

Kennametal India Limited is a subsidiary of Kennametal Inc., USA. With over 85 years as an industrial technology leader, Kennametal Inc. delivers productivity to customers through materials science, tooling, and wear-resistant solutions. Customers across aerospace, earthworks, energy, general engineering, and transportation turn to Kennametal to help them manufacture with precision and efficiency. Every day approximately 8,700 employees are helping customers in more than 100 countries to stay competitive. Kennametal Inc. generated approximately \$2 billion in revenues in fiscal 2024.



Kennametal's journey in India commenced in 1964 when Widia India Private Limited was incorporated in Bengaluru with a strength of 30 employees and one shaping plant. Kennametal acquired WIDIA in 2003 and established Kennametal India Limited. Today, the company continues to be headquartered in Bengaluru with a state-of-the-art manufacturing facility, and a 750+ member strong team. We also have offices in eight territories that serve customers across the length and the breadth of the country.

CONICAL TOOLS FOR SURFACE MINING

Kennametal offers an array of conical tools for surface mining applications, including SM42LR25 HF89, SM42LR17 HF89, SM42HP25, SM42LR19 for use across a range of cutting materials and conditions. These tools are designed with tapered tungsten carbide tips and features like improved tool life, penetration, and reduced wear, ultimately leading to increased production rates and reduced downtime.



PLUSPOINT™ CONICAL TOOLS FOR CONTINUOUS MINERS

Kennametal's new PlusPoint™ series picks utilize extra-tough grade KHE16 to penetrate the hardest of rocks for mechanical extraction of coal and non-metal minerals. In tests comparing it to our standard mining grade, these innovative

picks:

- Feature a tapered-plug tungsten carbide tip that wears evenly with the pick's steel body.
- Provide increased chipping and fracture resistance as well as improved thermal properties.
- Maintain cutting efficiency over a longer time.
- Minimize downtime required to inspect tools and change out damaged picks.
- Reduce expenses by extending the life of your machine's holders and rotating drum.



CUTTING DRUMS FOR CONTINUOUS MINERS

- Kennametal builds, tools, and services surface miners, continuous miners, longwall shearers, and road header drums.
- We also recommend tooling and lacing designs to match customers' particular applications.
- Our computerized drum design process lets us calculate and optimize a drum's loading and cutting characteristics.
- Each drum features extra protection on high-wear areas for added durability.



DEFENDER ROOF BOLTING SYSTEM

Roof bolting is challenging work. Adding to the difficulty of roof bolting are drill steel pieces' inability to stack interchangeably or failing from fatigue until they are beyond repair. That all changes with Kennametal's new Defender™ round drill steel system, which:

- Features thicker round steel that is stackable and repairable compared to upset steel.
- Includes self-aligning, hands-free chuck and driver.
- Incorporates spline-drive adapters that transfer rotation to the inside hex of steel.
- pieces, enabling a machine to drill larger and longer holes faster.
- Generates less dust compared to stackable hex steel.
- Maintains lower noise level compared to stackable hex steel.



DUAL CARBIDE INSERT (DCI) CUTTING EDGES FOR MOTOR GRADERS

- Provides maximum wear resistance.
- Features two tungsten carbide inserts, specifically designed for high-abrasion and low-impact applications.
- Outlasts imbedded carbide granule-style blades.
- Offers the longest lasting blade life span in the industry.
- Reduces costs associated with replacement part inventory, downtime, labor, and overall operations.
- Resists "crowning" and maintains a straighter cutting edge throughout the life of the blade.



www.kennametal.com



KLK INDUSTRIES LTD.

Innovating Drilling Solutions Since 1984

With over four decades of industry leadership, we are a trusted name in the manufacturing and export of advanced drilling rigs and rock drilling tools (RDT). Established in 1984, our legacy is built on innovation, precision engineering, and customer-centric solutions tailored to the global drilling industry.



Who We Are

We specialize in complete in-house manufacturing, supported by state-of-the-

art infrastructure and a dedicated Heat Treatment Division, ensuring each product is crafted for superior strength, durability, and extended operational life.

Our commitment to quality and performance is underscored by our ISO 9001:2015 certification, which reflects our dedication to international standards and continuous improvement through advanced R&D initiatives.

What We Do

We offer a comprehensive range of drilling solutions for diverse applications:

- Water Well Drilling
- Construction & Foundation Drilling
- Exploration & Geotechnical Surveying
- Mining & Quarrying
- Piling Operations

Our product portfolio includes:

- DTH Hammers & Bits
- RC Hammers & Bits
- Rotary Drilling Accessories
- Top Hammer Tools
- Core Drilling Tools

We also provide customizable drilling rigs with flexible configurations and multiple power options to suit specific project and terrain requirements.

Why Choose Us

- 40+ Years of Industry Experience
- End-to-End Manufacturing Facility
- ISO 9001:2015 Certified
- Global Export Network
- Advanced Heat Treatment Technology
- Cutting-Edge R&D for Product Innovation
- Reliable After-Sales Support & Service

Our Mission

To deliver innovative, reliable, and efficient drilling solutions that empower industries worldwide to explore, extract, and build with confidence.

WATER WELL DRILLING RIG - DTHR SERIES

Our Water Well Drilling Rig is a high-performance, truck-mounted solution designed for deep borehole drilling in both soft and hard formations. Engineered for efficiency, durability, and adaptability, this rig is ideal for water well applications across challenging terrains and demanding conditions.



EXCAVATOR-MOUNTED BLAST HOLE DRILLING RIG

Our Excavator-Mounted Blast Hole Rigs are purpose-built for high-efficiency drilling operations in mining, quarrying, and construction blasting projects. Designed to be mounted on standard excavators, this versatile system offers powerful performance, ease of mobility, and adaptable drilling capacity across a wide range of rock conditions.



PILING DRILLING RIG

This Piling Drilling Rig is a high-capacity, truck-mounted drilling system engineered for efficient and precise drilling operations in both soft and hard formations. Built to handle a wide range of drilling tasks with accuracy and reliability, it is ideal for pole milling, utility pole installation, and infrastructure development projects.



KLK DTH (DOWN-THE-HOLE) HAMMERS

These hammers are high-performance drilling tools designed for deep hole and high-precision drilling in diverse ground conditions—from soft soils to the hardest rock formations. Renowned for their durability, speed, and reliability, KLK hammers are widely used in water well drilling, mining, quarrying, geotechnical, and construction applications.



KLK DTH (DOWN-THE-HOLE) BITS are engineered to deliver exceptional drilling performance by precisely matching the rock's compressive strength, abrasiveness, and structural consistency.

Built for efficiency, durability, and speed, these bits are ideal for a wide range of drilling applications including water well, mining, construction, and geotechnical projects.

CORE DRILLING RIG

Our Core Drilling Rigs are engineered for deep core drilling operations in mining, exploration, and geotechnical projects. These rigs offer exceptional torque, pullback capacity, and depth capabilities, ensuring efficient drilling in challenging formations while delivering high-quality core samples.



www.klruniversal.com



■ KOMATSU

In 1921, Meitaro Takeuchi founded our company in the town that shares our name. He did so to provide work for the local community after the closure of a nearby copper mine.

Today, we have come a long way from where we started. We have evolved into a truly global company with a diverse workforce comprised of different nationalities and beliefs. And it's by harnessing the potential of all our different talents and unique perspectives that we push ourselves further. We explore and help advance the boundaries of technology, developing smart construction equipment and autonomous mining trucks, creating underwater electric bulldozers and even conceptualizing an excavator capable of operating on the moon. Our products and solutions directly support industries essential to the ongoing development of modern societies and everyday life.

For our core customers in forestry, construction and mining, we make big machines that take on even bigger challenges, gentle giants answering the needs of society.

We want to demonstrate our vision for sustainable mine optimization. We are committed to collaborating with our customer to unlock the full potential of our solutions and technologies, working together to prioritize safety, reliability, cost effectiveness and environmental impact.

From optimizing existing fleets to providing alternative-fueled equipment, we are committed to helping customers find the right forward for their operation. We have interoperable solutions to help unlock next level value via our technology and support ecosystem.

We believe that when people are united by a common goal, the truly remarkable happens. In communities across the globe, we find purpose in creating value through manufacturing and technology innovation to empower a sustainable future where people, business, and our planet thrive together.

Harnessing our collective expertise to go further, we stay true to our brand promise:

Creating value together.

KOMATSU



P&H ELECTRIC ROPE SHOVEL

Helping you move more material in tough surface mining environments at a low cost per ton, P&H electric rope shovels are engineered for quality and toughness, alongside advances, such as state-of-the-art structural designs and electrical control systems.



Electric rope shovels | Komatsu

SURFACE MINING HYBRID WHEEL LOADER

Have a large amount of material to move? Komatsu Hybrid Wheel Loader product line is your machine. It's designed to center load trucks from 100T to

400T+ capacity. Engineered to improve both sides of the equation: utmost reliability to boost your tonnage, multiple features designed to minimize your fuel and maintenance costs.

Wheel loaders | Komatsu

MINING CRUSHING - RECLAIM FEEDER

Promote productivity with a cost-effective feeder that is designed for ease of operation and maintenance. Engineered for flexibility - easy to relocate and fits multiple applications. Start production quickly with this standard unit - 25-30% faster delivery than engineered solutions.

Stamler RF-5 reclaim feeder | Komatsu | India

MINING CRUSHING - FEEDER BREAKER

For streamlined operation, feeder breakers combine the receiving, sizing and conveying of mineral material into a single unit. For additional efficiency, each model features a specially designed surge hopper, helping trucks and other haulage equipment to discharge material at their maximum rate.

SFB-29 Feeder Breaker | Komatsu | India

MINING BLASTHOLE DRILLS

When you need the lowest cost per meter drilled and blasted, Komatsu rotary drills deliver. Featuring rugged and reliable rotary carriages and enclosed boxer style masts, these machines provide ample torque and bit loading through the tough rock conditions. With maximum bit-loading ranges from 77,000 to 150,000 lbs. (68,039-34,927 kg) Komatsu offers a range of rotary drills for a variety of capacities and applications.

Blasthole drills | Komatsu | India

MINING BLASTHOLE DRILLS - TRACK DRILL

The DTH (down-the-hole) surface drill rig designed for mining-duty applications offers high reliability and production with purpose-built structures, a high horsepower engine and large capacity dual-setting compressor that adapts to varying rock hardness conditions. The ZT44 is a versatile machine, used for pre-split, production, auxiliary and other demanding needs.

ZT44 blasthole track drill | Komatsu

JOY CONTINUOUS MINER

Cut through challenges with confidence

- 20% more productivity*
- 33% more life*
- Over 7300 continuous miners produced

Smart and modern miners with automation feature. Quickly achieving target production. Correct mod application. Broad cutting range to accommodate. Proximity detection & remote monitoring ready.

Continuous Miners | Komatsu

*Compared to local competitors

JOY SHUTTLE CAR

Rugged and reliable for India's inclines

- Reduced tire slippage on gradients of up to 1:5*
- 14% increase in cable reel capacity with longer cable lengths

Designed for India's mine conditions, traverse tough terrain while maintaining superior manoeuvrability using simple to operate controls.

The heavy-duty, proven reliable Joy shuttle car, now with enhanced cable length, lets you go the distance for the long haul.

Joy 1032C Series Shuttle Cars | Komatsu

*Depending on conditions

JOY BATTERY HAULER

Freedom to haul further

- Up to 28% more capacity compared to conventional haulage



- High-capacity 260 kWh battery common with battery scoop
- Proximity Detection ready*

Joy Battery Haulers are agile and versatile, in low and high seam conditions. Their high-capacity battery gives you plenty of power to get the job done without the constraints of cables.

Joy BH-20 battery hauler | Komatsu

*Optional proximity detection coming soon to India

JOY UNDERGROUND FEEDER BREAKER

Loading flexibility meets impressive crushing power

- Weighs up to 20% less than other feeder breakers
- Up to 16% shorter frame length for improved manoeuvrability*

The Underground Feeder Breaker (UFB-14) is particularly well suited to meet the demands of Indian mine conditions to deliver powerful crushing capability, loading flexibility and improved manoeuvrability to help you meet your production goals.

UFB-14S feeder breaker | Joy | Komatsu | India

*Compared to previous UFBs sold in India

JOY BATTERY SCOOP

The ultimate all-in-one machine

- High-capacity battery 260 kWh common with battery hauler
- Load, haul, dump capability up to 1.7m height with quick connect
- Up to 40% lower operating costs compared to diesel LHDs

Need a scoop that's up to multiple tasks - maintenance, re-supply, clean-up, rock dusting — in your mine? Operators will love the mobility and power of Joy battery-powered scoops.

Joy 02ESV56 Scoop | Komatsu

DISCOVER UNPARALLELED DIRECT SERVICE

Leverage our expertise to solve your toughest challenges. We offer data-driven intelligence, exceptional experience and a close partnership with your operation to help increase productivity to help you achieve your operating and financial goals.

With different service models designed as per your need – LCM, CEP, Parts support, we engage experienced safety focused team to deliver quality service for assembly, commissioning, repairs and rebuilds to support you to maximize productivity by optimizing your equipment performance throughout its life in the mine.

REACH WORLD-CLASS PRODUCTIVITY WITH TOP-TIER TECH

Unlock your productivity potential with cutting-edge automation, advanced digitization and performance insights. Propel your operations into the future using Komatsu's best-in-class tech to maximize equipment utilization, find efficiencies and enhance safety.

www.komatsu.com

LABINDIA ANALYTICAL INSTRUMENT PVT. LTD.

Labindia Analytical Instruments Pvt. Ltd. is a leading Indian manufacturer and supplier of high-quality analytical and laboratory instruments, established in 1981. With its headquarters in Thane, Maharashtra, and a modern manufacturing facility in Navi Mumbai, Labindia has earned a trusted reputation across industries such as pharmaceuticals, chemicals, petrochemicals, and food and beverages.



Labindia's extensive product range includes dissolution testers, spectrophotometers, titrators, pH meters, and atomic absorption systems, designed to meet global quality standards like GLP and GMP.

Driven by a vision of excellence, innovation, and integrity, Labindia aims to deliver cost-effective, reliable solutions backed by robust technical expertise. With over 500 professionals and a pan-India presence, the company continues to empower scientific and industrial research through cutting-edge instrumentation and customer-centric service.

AIR JET SIEVE SHAKER JS1100 (TOUCHSCREEN)

The JS1100 Air Jet Sieving Machine delivers exceptional particle separation and deagglomeration for a wide range of industries, including pharmaceuticals, chemicals, plastics, and food. Equipped with advanced air jet technology and an innovative nozzle design, it ensures consistent results while minimizing effort. With a built-in 5" touchscreen display



USP APPARATUS 4

The system's design supports nearly every dosage form from standard tablets and capsules to complex drug-eluting implants and semi-solids. Labindia works closely with pharmaceutical innovators to develop custom flow-through cells, optimizing dissolution methods for emerging drug delivery platforms. Whether you're evaluating microspheres, parenterals, or coated ocular devices, the flow-through system adapts to diverse solubility profiles and dosage geometries while ensuring compliance with global pharmacopeial standards.



DISSOLUTION TESTER DS 8000 BASIC SMART

DS 8000 Basic is designed with an intuitive control interface, ensuring straightforward operation for routine testing. It supports USP and IP protocols, delivering precise and consistent results for quality control applications.



UV 3200 SPECTROPHOTOMETER

Double Beam UV 3200 Spectrophotometer, designed for precise measurements across 190 to 1100 nm. Ideal for pharmaceutical and biochemical applications, it features simultaneous sample/reference detection, PC software control, and an automatic cell changer.



UV 1000+/1000

Features advanced dual monochromator technology, making it ideal for various applications in pharmaceuticals, biotechnology, and food safety.



ICP 5000 DV

The ICP 5000 DV is a high-performance Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) with a true simultaneous polychromator system, ensuring superior anti-interference analysis and detection.



ICP-MS 5500

The Labindia ICP-MS 5500 is a next-generation Inductively Coupled Plasma Mass Spectrometer (ICP-MS) designed to meet the most demanding analytical challenges.



ELVA X PLUS/PRO XRF BENCHTOP SPECTROMETER

The ElvaX Plus spectrometer is a versatile benchtop energy-dispersive X-ray fluorescence (EDXRF) analyzer, detecting elements from Na (Z=11) to U (Z=92).



PROSPECTOR 3 HANDHELD XRF SPECTROMETER

X-Ray Fluorescence Spectrometer is the lightest and most accurate handheld XRF analyzer available. It offers unparalleled speed and detection limits, making it ideal for various materials, including alloys, ores, and



plastics.

www.labindia-analytical.com

▀ LATTY INTERNATIONAL SA

Latty International S.A., founded in 1920 and headquartered in Brou, France, is a global expert in industrial sealing solutions, with a strong presence across 14 subsidiaries worldwide. Latty designs and manufactures a complete range of sealing products - braided packings, mechanical seals, and gaskets - tailored for demanding applications such as mining & metal processing, where reliability and durability are critical.



In operations where equipment faces abrasive slurries, high pressures, and continuous operation, Latty's sealing solutions are engineered to reduce downtime, minimize sleeve wear, and extend maintenance intervals. The company's proprietary technologies and materials ensure superior sealing performance in pumps, valves, and rotating equipment commonly used in mineral processing plants.

With a strong focus on R&D and rigorous in-house testing, Latty's products meet the toughest operational and environmental standards. Its solutions are trusted by both OEMs and end users, helping optimize productivity and reduce total cost of ownership in mining operations globally.

PACKING PARTICULARLY APPROPRIATE FOR HARSH ENVIRONMENTS / ABRASIVE SLURRY APPLICATIONS.

Its made from phenolic composite yarns & graphite yarns. Each single yarn is impregnated with PTFE using our exclusive Filcoat-process. The packing is re-impregnated with the latest generation mix during the braiding, thereby further reducing friction.

Advantages:

- Withstands slurries
- Easy to fit
- Little retightening required after installation
- Very good elastic recovery
- Does not heat up much
- Little or no wear of shaft sleeve
- Optimised maintenance time
- Reduced running-in time



Lattycore 7189G

PACKINGS FOR ROTARY UNIT APPLICATIONS WITH AGGRESSIVE FLUIDS

Silicone-free packing with a compound graphite core and corners made of 100% aramid yarns impregnated yarn by yarn with PTFE using our exclusive «Filcoat»-process, friction faces with 100% lubricated PTFE, then re-impregnated with a PTFE mix during braiding operation

Advantages:

- More Elasticity
- Reduced Friction
- Chemical Inertness
- Aging Resistance
- Resistance to High Temperatures
- Handling & Processing ease



Lattycore 4758G

ARAMIDE/CARBON PACKING THAT ENSURES EXCELLENT HEAT DISSIPATION FOR ROTARY EQUIPMENT

Packing made of carbon/aramid, each single yarn being impregnated with PTFE using our exclusive Filcoat-process. The packing is then re-impregnated during braiding operation in a bath consisting of PTFE mixed with an inert food-approved lubricant.

The combination of the mechanical characteristics of aramid associated with the heat dissipation properties of carbon account for the outstanding performance of LATTYflon 4488.



Lattyflon 4488

Advantages:

- High heat dissipation
- Good resistance at high speeds
- Suitable for slurries or abrasive fluids
- Withstands high temperatures and/or pressures

www.latty.com

▀ LEBRACS RUBBER LININGS PVT. LTD., PUDUCHERRY

Corrosion and Abrasion resistant rubber linings are used to provide protection to process equipments and structure made of Carbon steel, Concrete or other subs tracts, from effects of corrosion as well as abrasion.



LeBracs
Rubber

Process equipments made of Carbon steel and protected with appropriate rubber linings is usually more economical than the same equipment fabricated of an alloy or more corrosion resistant metal such as Titanium or Tantalum.

LeBracs Rubber manufactures a wide range of rubber sheets in synthetic and natural rubbers, with different rubber formulae for various duty conditions.

LeBracs Rubber caters to demand for supplies in India and Overseas market.

- Mining and Mineral Processing Industries / Dredging
- Caustic and Chlor-Alkali Industries
- Phosphoric Acid Plants / Fertilizer Industries
- Water Treatment, Effluent Treatment / Desalination Plants
- Flue Gas Desulphurization (FGD) - Thermal Power Plants

LeBracs Rubber has over the years been certified under ISO 9001:2015 QMS; ISO 14001:2015 EMS and ISO 45001:2018 OHSAS demonstrating the management's commitment to Quality of product and concern for Environment and Safety.

LeBracs Rubber has over the last 30 years developed a range of products, such as

- Carbon Steel Rubber lined Pipes and Fittings
- Carbon Steel Rubber lined Tanks and Vessels
- Rubber Sheets for On Site linings
- Rubber Hoses for Acid Transfer, Slurry Transfer
- Dredging Hoses
- Rubber Expansion Joints / Bellows

The manufacturing facility at No: 16, Sedarapet, Puducherry is an integrated facility for fabrication and rubber lining with a range of machinery, including a state of art extruder machine.

Supply of Carbon Steel Rubber Lined Pipes for Slurry Transfer Application with flanged ends as well as Grooved ends.

Supply of Carbon Steel Rubber Lined Elbows and Fittings for Slurry application.

Supply of Carbon Steel Rubber Lined Slurry Storage Tanks and other Process Tanks.

On Site Rubber Lining of Tanks for Storage of Slurry and various Chemicals above 5.5 mtr Dia

Manufacturer of Slurry Transfer Hoses, Suction Hoses, Dredging Hoses for Slurry application, Chemicals handling as well as Water application.

Manufacturer of Rubber Expansion Bellows / Joints to take care of the Vibration movements of Pump Suction and Discharge as well as on Pipe Lines.



www.lebracsrubber.com

▀ LUBERR PVT. LTD.

LUBERR is a global high - Tech manufacturer of Centralized lubrication system products and their components.



We are dedicated to the development of Automatic lubrication System with indigenous designs and core competitiveness. The company is certified by ISO 9001:2015 certification based on solid obligation to technical virtue and world class manufacturing facilities. We provide a maintenance free products to its customers.

LUBERR has been working actively more than three decades in lubricating machines and accumulated widespread production experience and technical advantages in the field of operational design, accuracy machining, production validation and other production links. Our quality in manufacturing and high stability with reliability of our products at maximum pressure makes our lubrication system to outperform.

The **LUBERR LDX model** stands out as a highly efficient electrically operated lubrication system, tailored for heavy-duty machinery. Equipped with the option to add a lube controller, it allows precision and seamless functionality. The inclusion of inline filters ensures that grease contamination is avoided, contributing to smoother operations and longevity. Its robust build makes it durable and reliable across intense industrial applications. Designed to work efficiently with equipment like tippers, excavators, dumpers, and loaders, the LUBERR LDX is an indispensable asset in construction and mining industries, offering dependable performance and optimized maintenance solutions.



The **LUBERR SVM 01s** is a high-performance grease injector, known for its exceptional durability and precision. Engineered for demanding lubrication needs, it features high-pressure grease injection capabilities. The model allows outputs to be combined for increased lubrication, catering to larger or more complex machinery. Its innovative design includes an indicator pin, enabling users to monitor the injector's movement for added control and reliability. Furthermore, the output can be individually adjusted to meet the specific lubrication requirements of each bearing. The LUBERR SVM 01s is a dependable solution for ensuring optimal maintenance and smooth machinery operation.



The **LUBERR SVM 21D** is an advanced progressive distributor model designed for precise lubrication output. It offers versatile distributor types, including vertical, horizontal, and no-porting configurations. The input to the progressive unit can function continuously or intermittent, while its volumetric output ensures each plunger movement delivers a fixed amount of lubricant. The unit operates cyclically until the lubricant supply ceases, resuming from where it previously stopped when restarted. Importantly, every plunger completes its full movement before another begins. External obstructions in the supply line can cause the plunger to stop, potentially leading to unit failure and complete system shutdown.



The **MOTOLUBERR model by LUBERR** is a robust motorized transfer pump, engineered for high-pressure applications. Capable of delivering commercial greases up to NLGI class-2, this reciprocating type pump efficiently transports lubricating grease to designated points using progressive distributors or injectors. Its specialized follower design ensures positive suction, minimizing issues like frequent air locks. The pump is equipped with a double check valve system, which maintains pressure losses at a minimum, even up to an impressive 350 bar. The MOTOLUBERR is a reliable solution for demanding lubrication tasks, offering efficiency and durability in challenging operational conditions.



www.luberr.in

▀ MADHUS GARAGE EQUIPMENT PVT. LTD.

Madhus Garage Equipment Pvt. Ltd., established in 1987, is a distinguished leader in the Garage Equipment Industry in India. We have consistently introduced advanced technologies that revolutionize the servicing of modern automobiles. Our comprehensive product range includes heavy-duty wheel aligners, tyre changers, wheel balancers, lifts, multi-brand diagnostic tools for trucks and off-highway vehicles, welding equipment, paint booths, A/C maintenance systems, smoke meters, and gas analyzers. These are sourced from globally renowned brands such as Hunter, Ravaglioli, Texa, Telwin, GYS, Steril-Koni, and more.



Beyond offering world-class products, we are committed to exceptional after-sales support, backed by a team of well-trained and experienced technicians. Additionally, we provide specialized training for technicians at our advanced training centers located in Delhi NCR, Bangalore, and Pune, ensuring customers receive complete technical and operational support.

FIT LINE 54 TYRE CHANGER FOR MINING COMPANIES & FLEET OWNERS

The Fit Line 54 is a robust, semi-automatic universal tyre changer designed for wheels up to 56" and extendable, ideal for trucks, agricultural, and earth-moving vehicles. It features fully hydraulic operation for high performance and reliability. The machine has a solid structure, ergonomic control console, advanced self-centring jaws, and a semi-automatic tool arm with 710 mm travel for efficient operation.



Specification	Value
Max. Wheel Diameter	2300 mm (90.5")
Max. Wheel Width	1100 mm (43")
Chuck Clamping Capacity	14"-40", up to 56" w/ ext.
Max. Turntable Torque	4500 Nm
Bead Breaking Force	28000 N
Max. Wheel Weight	1500 kg
Chuck Locking Force	44000 N
Working Pressure	150 bar
Chuck Rotation Speed	5-9 rpm
Power Supply	400V 3ph 50/60Hz, 230V 3ph
Machine Weight	980 kg

TXT BHARAT: MULTI-BRAND DIAGNOSTIC TOOL FOR MINING COMPANIES & FLEET OWNERS

TXT BHARAT by TEXA is a next-generation, multi-brand diagnostic interface engineered for trucks, buses, off-highway and mining vehicles. Designed for robust environments, it excels in diagnosing engines from diverse manufacturers under harsh mining conditions. Equipped with advanced Bluetooth/USB-C connectivity, it offers rapid, accurate diagnostics on 12V and 24V systems, supporting all industry protocols. Coupled with IDC5 Bharat software, it empowers technicians to identify and solve faults efficiently across multiple brands-maximizing vehicle uptime. Monthly updates ensure coverage for new models, making TXT BHARAT an essential tool for mining fleet maintenance and comprehensive engine diagnostics.



STERIL KONI ST 1075: POWER AND INNOVATION FOR MINING COMPANIES

The Steril Koni ST 1075 is an advanced mobile column lift tailored to the rugged demands of mining fleets. Each column boasts a 7,500 kg lifting capacity, and up to 32 columns can be synchronized for the heaviest vehicles. Rapid 75-second lifting, all-weather IP65 electronics, and purpose-built synthetic wheels provide unmatched durability and uptime for mining operations. Flexible configurations-wireless or cabled-make it ideal for both in-field and workshop use. The lift ensures maximum safety with automatic overload protection and redundant mechanical locks.



TEXA KONFORT 705R: THE RUGGED A/C SOLUTION FOR MINING OPERATIONS

The TEXA KONFORT 705R is engineered for mining environments, providing robust and precise air conditioning service for heavy-duty vehicles. Purpose-built for rough, uneven ground, the Off-Road version features oversized, anti-puncture wheels, a reinforced frame, and a scale locking system to prevent decalibration during outdoor movement. The system is fully automatic, compatible with R134a, and ensures accurate refrigerant recovery, recharging, and leak detection—crucial for mining equipment performance and operator comfort. User-friendly controls, a high-visibility display, and optional thermal printer further enhance productivity while minimizing downtime for remote mining fleets.



www.madhusindia.com

MAHA HYDRAULICS PVT. LTD.

Engineering has played an indispensable role in not just shaping the present, but also our future. Since 2000, Maha Hydraulics has been engineering a better future with our hydraulic solutions. With a relentless pursuit of innovation, we design, manufacture and install Hydraulic Drives that empower industries to tackle the challenges of tomorrow head-on.



Reliability is at the core of our hydraulic motors. Based on decades of technology experience, our hydraulic motors are built to last, providing reliable operation and minimal maintenance. With rigorous testing and inspection processes at every stage, our solutions deliver significant performance, precise control, energy efficiency, and cost-effectiveness.

Innovation in our workplace and manufacturing facilities remains one of our most valuable assets. A team of adept and seasoned experts, we are passionate about creating customized solutions. We possess the ingenuity to provide solutions to a wide range of applications, while maintaining unsurpassed quality.

It is this synergy we've achieved through the combination of excellence in service, quality product and technical support that differentiates us from our competition. Turning complex challenges into impactful solutions, we work vigorously towards building both – versatile solutions and partnerships that last a lifetime.

The energy efficient will play a major role irrespective of any industries. Globally industries are working to reduce Auxiliary power consumption. They are successful in bringing the reduction in auxiliary power consumption significantly by adopting various technologies in operations and machinery drives. Hydraulic drives are playing significant role during selection of the new projects and upgrading existing projects.

The energy efficient will play a major role irrespective of any industries. Globally industries are working to reduce Auxiliary power consumption. They are successful in bringing the reduction in auxiliary power consumption significantly by adopting various technologies in operations and machinery drives. Hydraulic drives are playing significant role during selection of the new projects and upgrading existing projects.

MASCOT DRIVES is the registered trademark of our Hydraulic motors manufactured in our company in India. The drives are unique and robust designs which can handle very high torque in various material handling equipment's across the globe. There are three series of Hydraulic drives available in the manufacturing range. LD series, MD series and HD series. Apart from the standard motors, we also have tailor made products to suit the customer requirement precisely with lowest lead time.



THE HYDRAULIC POWER UNIT - Comprises of electric motor, pump, hydraulic reservoir, control system, etc., The power unit type HPU (Horizontal Power Unit) uses a closed loop hydraulic system to provide a highly dynamic drive system. We have the expertise to custom build hydraulic power units.

Our hydraulic reservoir is a unique design. Fully sealed Stainless Steel

Hydraulic reservoir is mandatory for all our hydraulic systems manufactured and assembled at our works. Sockets for return line connections are welded above the surface of the tank to eliminate the possibility of water or dust entry during cleaning.

Filters used in our systems are rated for higher capacity ensuring the thorough filtration of hydraulic oil before it enters the hydraulic reservoir, irrespective of the variations in the flow. The tank mounted design allows for easy maintenance and elimination of hydraulic fluid wastage during maintenance / replacement.

Hydraulic Power units consist of the latest instruments. Safety accessories such as oil level indicators cum sensors, temperature sensors, pressure switches, pressure transducers and shut off valve limit switches are compactly built without compromising on quality.

www.mahahydraulics.com

MAHAJAN CONVEYOR INDUSTRIES

In the complex world of business emulation, "Mahajan Conveyor" has known many twists, turns and diversification, but never has the signature of the marquee been lost.



Since 1958, Mahajan's have been guided by the grand passion that has led them to indulge in the profitable business of "Rough top end" in the market. The updated carnation of "Gupta Rubber mill" has come into existence as "Mahajan Conveyor". The success of rechristened "Mahajan Conveyor" is very large due to fore vision and innovative strategies of Mahajan's who takes on the manufacturing, dealing and exporting the Rubber belt, transmission belt and with professionalism, extra ordinary self-belief and commitment valued for the efficient management.

The sublime vision of "Mahajan Conveyor" is based on the exhaustive study of modern conveyor's spectrum, collection and analysis of data and application of logic as well to evaluate the chances of profitable return against the potential risk. The principal concerns of Mahajan Conveyors are establishing the updated version of state of art infrastructure Quality conscious approach, timely delivery schedule and satisfaction of client.

The specialization of Mahajan Conveyor lies in the "ROUGH TOP END AND HYGIENIC" and we always claim to proclaim "No compromise with quality and trust the desires of clients as our priority". "MCI AND PR HINDUSTAN" is the name under which our deal of products takes place. We have our operational centre located in kandrori, Himachal Pradesh. But the trading of "rough top end" product is dynamically extended unto national and international level.

MANUFACTURER OF ALL TYPES OF CONVEYOR RUBBER BELTS

www.mahajanconveyors.com

MAHESHWARI MINING PVT. LTD.

Maheshwari Mining Pvt. Ltd. (MMPL), founded in 1972 and headquartered in Raniganj, West Bengal, is a leading name in India's mining industry. Specializing in underground mining, MMPL provides comprehensive services including mine exploration, planning, development & Production (MDO), equipment supply, and digital mining solutions. The company has a strong pan-India presence with branch offices in key cities and a reputation for introducing advanced mining technologies, such as mass production methods, to the private sector. MMPL's expertise spans coal, metal, graphite, and other RE minerals, and it has played a significant role in mineral discoveries across India. Renowned for its commitment to safety, environmental sustainability,



and innovation, MMPL has received several industry accolades. The company's integrated approach and focus on quality have made it a trusted partner for major mining projects, reinforcing its position as a pioneer and leader in the Indian mining sector.

SERVICES RENDERED BY MMPL

- Underground Metal Mining.
- Underground Coal Mining.
- Mining Exploration Services.
- Mine Equipping & Winders.
- Central Engineering Works: Equipment Refurbishment.

UNDERGROUND METAL MINING

MDO-(Mine Development & Operators) Development:

- Core Focus-Mechanized development mining in MDO Projects.
- Technique-High speed mechanized trackless hard rock mining.



Production:

- Capability- Providing production from metalliferous mines.
- Equipment- Specialized for underground stopes.

Services:

- Production drilling.
- Charging & blasting.
- Loading ore into underground Trucks.
- Hauling to the surface.
- Supplying and operating plant and Machinery.
- In-house maintenance of machinery.

MINES & PROJECTS

Maheshwari Mining Private Limited (MMPL) boasts an extensive portfolio of underground metal and Coal Projects, strategically across India, with a strong focus on sustainable mining practices.

The following projects showcase MMPL's expertise and excellence in mining:

- Mahagiri Underground Chromite Mine (Orissa)
- Sukinda Underground Chromite Mine (Orissa)
- Malanjkhanda Underground Copper Mine (Madhya Pradesh)
- BAROI Underground Zinc Mine (Rajasthan)
- Kolihaan Underground Metal Mine (Maintenance & Equipment Support) (Rajasthan)



MAHAGIRI MINES CHROMITE

SHAFT SINKING

- With a Proven track Record of excellence, Maheshwari Mining has established itself as a leading expert in shaft sinking, boasting vast experience and a successful portfolio of projects executed across India, from north to south, demonstrating its unparalleled expertise and capability in this critical aspects of underground mining.
- MMPL'S extensive experience and expertise in shaft sinking are unparalleled, with a long history of successfully completing complex projects PAN India, solidifying its position as a trusted and reliable partner for mining companies across the country.



BACKFILLING TECHNOLOGY

MMPL is proficient in advanced backfilling technology, specializing in the use of cemented past backfill (CPB) to fill mined-out undergrounds voids. This method involves mixing tailings with binders like cement to create strong, stable fill that supports the surrounding rock mass, improves mine safety, and controls ground deformation. MMPL's expertise ensures optimal backfill strength and impact resistance, which are critical for maintain stope stability and preventing ore dilution.



The backfilling solutions also contribute to environmental sustainability by reducing surface waste disposal and enabling higher ore recovery rates in underground mining operations.

U/G MINE DEVELOPMENT

MMPL is a recognized expert in underground mine development, specializing in the construction of underground haul roads and critical mine infrastructures. With decades of experience, MMPL delivers high-speed mechanized development using advanced equipment such as jumbo drills, LHDs, and low-profile dump trucks, ensuring efficient and safe creation of haul roads, declines and other underground facilities. MMPL Provides end to end solutions, including mine design, planning and the building of infrastructures like ventilation, dewatering and support system, making us a trusted partner for major mining Projects across India and beyond.



UNDERGROUND HAUL ROADS



UNDERGROUND INFRASTRUCTURES

OPEN-CAST BENCH STABILIZATION

MMPL is experienced in opencast bench stabilization, employing a range of proven techniques to ensure safe and stable Mining Slopes.



Our approach includes geotechnical investigations to assess rock and soil properties, followed by the use of methods such as rock bolting, shotcreting, steel mesh and anchors to reinforce benches.

DRILLING EXPERTISE

- HYDROGEOLOGICAL DRILLING:- MMPL Possesses strong expertise in hydrogeological drilling, specializing in precise drilling operations to assess groundwater conditions and hydrogeological parameters.
- Our Skilled team conducts detailed subsurface investigations, including water bore-drilling and pump testing, to evaluate aquifer properties, water availability, and ground stability.
- MMPL integrates advanced geotechnical and hydrological data collection techniques to support sustainable water resource management and mining projects.



UNDERGROUND HYDRO DRILLING



CENTRAL ENGINEERING WORKSHOP (CEW)

The Central Engineering Works at Raniganj, is a state of art facility wherein Maheshwari Mining Private Limited refurbishes heavy machinery and their components with the use of best-in-class testing machinery and just-in-time delivery.



We deliver the machine and their components with best reliability and performance.

Our Central Engineering Workshop consists of following sections driven with a team of professionals and highly focalised infrastructure.

- Equipment Refurbishment Section (Mining/Exploration)
- Components Repairing Section (Engine/Hydraulics/Power Train/Electrical)
- Fabrication Section
- Machine Shop (CNC/Lathe)
- Rock Bolt Production Unit
- Central Store and Procurement.

MAINTENANCE BAYS/REFURBISHMENT SECTION

Workshops with multiple bays & EOT for neat and timely refurbish works.



ROCK BOLT PRODUCTION UNIT

We started Rock Bolt Manufacturing Division as our new division in which we manufacture and sell various specification of Rock Bolts to our customers based on their requirements.

Our Rock Bolts are 1.6 to 2.5 Mtr Length, 20 to 22 mm dia and M20 or M24 size Thread with 6mm or 8mm Plate.

We have latest brand-new machinery and well experienced manpower to produce 200 to 250 rock bolts per day.

Our valuable customers are,



ROCK BOLT MAKING MACHINES



FINISHED ROCK BOLTS

- Hindustan Zinc.
- Hindustan Copper.
- SMS.
- JMS and Etc.

CENTRAL STORE & PROCUREMENT UNIT

- Our workshop has a central warehouse where we maintain our inventory for the workshop as well as our various sites Pan India.
- Central warehousing is an icing on the cake with automated systems of material tagging, tagging and back cards, which enable delivery of the right product at the right time with the right quality through strategic procurement at low cost.
- Our procurement team constantly monitors the spare parts market, filters quality suppliers and procures spare parts at cost-effective prices with high quality to ensure performance.
- We tied up with Godrej for just in time inventory to reduce the dead inventories and improve the productivity with minimum inventory.
- We maintain minimum spare parts inventory to minimize equipment downtime and FIFO to ensure proper utilization of spare parts.
- We are working to improve all inventory management, reduce and eliminate inventory losses, reduce costs of storing unnecessary items and implement effective cost management, best-in-use software called SAP.



HAULING SPARE PARTS SECTION
DRILLING SPARE PARTS SECTION

FABRICATION UNIT

- All types of equipment refurbishment related fabrication works are done by our highly efficient team of experts. We manufacture and repair the following components,
 - Equipment Chassis/Frame
 - Dump Box
 - Feed (Jumbo)
 - Bucket
 - Boom and Arms Etc.,
- We design and modify dump box and bucket as per our requirements within standard parameters. Our qualified design team considers all kinds of parametric factors while designing and developing.
- We have complete facilities like Line Boring, MIG Welding Machine, ARC Welding Machine, Drilling Machine, Welding and Grinding Machines.
- We procured advanced line boring machine worth 35L from Italy.
- We follow OEM standards and all fabricated and developed parts are subjected to various stages of quality tests by our quality team.



SANDVIK LH514 BUCKET-BEFORE
SANDVIK LH514 BUCKET-AFTER



SANDVIK LH514 BUCKET-BEFORE



SANDVIK LH514 BUCKET-BEFORE

www.maheshwaree.com

MALVERN PANALYTICAL

The integration of Malvern Panalytical, Micromeritics, and SciAps.



Together we are a powerful and highly complementary combination of market-leading technologies. We are the toolmakers for the world's most innovative companies, academic institutions, and government laboratories.

Malvern Panalytical instruments analyze the chemical, physical and structural nature of materials, from proteins to polymers and semiconductors to minerals. Our leading technologies measure particle size, shape, concentration and zeta potential, biomolecular interactions and stability, elemental concentrations and crystallographic structure.

Micromeritics manufactures systems for the characterization of particles, powders, and porous materials for a wide-range of end markets including catalysts, chemicals, building materials, clean-tech and battery. Our leading technologies measure surface area, porosity, density, adsorption and particle activity.

SciAps specializes in portable X-ray fluorescence (XRF), laser-based (LIBS) and near-infrared (NIR) analyzers to measure any element in any environment. SciAps is the Center of Excellence for our handheld instruments. We are more than 2,500 employees, we have a global footprint with R&D and manufacturing sites in North America, Europe, and Asia.

AERIS: X-RAY DIFFRACTION

Aeris is an advanced X-ray diffraction (XRD) system tailored for the mining industry. It offers fast, non-destructive analysis of ores, concentrates, and residues, delivering direct mineralogical information. Supporting all stages from raw material to final product, Aeris enhances process control and optimization by reducing feedback loops. Its safety, speed, and ease of use make it an ideal solution for reliable mineral analysis across the mining value chain.



EPSILON 1: ENERGY DISPERSIVE X-RAY FLUORESCENCE (EDXRF)

Epsilon 1 is a compact, cost-effective EDXRF spectrometer ideal for multi-sample analysis—solids, powders, and liquids. It delivers non-destructive elemental screening, low maintenance, and minimal infrastructure requirements. With Finger Print software and standard less analysis, it quantifies minerals without calibration. Its simplicity, precision, and portability make it perfect for fast material identification in mining, metallurgy, and geology applications, even in remote or mobile setups.



INSITEC: LASER DIFFRACTION (LD) PARTICLE SIZE ANALYSER

Insittec systems enable real-time, online particle size analysis for powders, slurries, sprays, and emulsions. Designed for continuous industrial operation, it supports diverse process streams with throughput ranging from milligrams to hundreds of tonnes/hour. Insittec ensures optimal process control, reduced variability, and improved product quality. It integrates seamlessly into production environments, minimizing manual intervention and offering substantial cost and efficiency benefits.



CNA³: PULSED FAST THERMAL NEUTRON ACTIVATION (PFTNA)

The CNA³ provides real-time elemental analysis with an electric neutron source offering constant output and stability. It features an Automatic Radiation Protection System (ARPS), compact design, and no sensitivity to belt load or particle size variations. It fits under belts of any material height and supports wide belts. The unique offline position enables maintenance and performance checks without halting production, ensuring minimal downtime and accurate system calibration.



SCIAPS REVENIR - NEAR-INFRARED (NIR) SPECTROSCOPY

The SciAps reveNIR handheld Vis-NIR analyzer offers real-time spectral analysis for mineral exploration. Covering 350–2510 nm, it includes a 250-mineral library and supports user-defined spectra. Reflectance data helps predict mineral composition and geothermal indicators like Al-OH or Fe3t. Portable and rugged, it's essential for identifying pathfinder minerals in the field, supporting faster, more informed exploration decisions.



ASD FIELDSPEC: NEAR-INFRARED (NIR) SPECTROSCOPY

The ASD FieldSpec offers full-range spectral measurement (350–2500 nm) for field mineral analysis. It delivers fast scans with high signal-to-noise ratios and no dead pixels, ensuring accurate VIS/NIR/SWIR data. Its rugged build,

ergonomic backpack, and long-range wireless connectivity support field deployment. Customizable accessories enable both remote sensing and contact measurements, making it a reliable tool for geological and environmental surveys.



EPSILON XFLOW: ENERGY DISPERSIVE X-RAY FLUORESCENCE (EDXRF)

Epsilon Xflow uses cutting-edge EDXRF technology for simultaneous multi-element analysis of liquids. Ideal for a variety of liquid processes, it delivers highly repeatable results using advanced flowcell technology. Key features include integration with manufacturing execution systems, a user-friendly interface for ease of use and maintenance, and remote service/application support ensuring seamless operation and minimal downtime in demanding industrial environments.



MASTERSIZER 3000+: LASER DIFFRACTION (LD) PARTICLE SIZE ANALYSER

Mastersizer 3000+ delivers precise particle size analysis via laser diffraction, supporting R&D and production needs. With a wide measurement range and AI-enhanced features, it ensures robust, reproducible results. The intuitive software and optional dynamic imaging accessories offer flexibility, while built-in tools help users investigate anomalies. Designed for ease of use, it is ideal for complex particle sizing in multiple industries.



ZETIUM: X-RAY FLUORESCENCE

Zetium Minerals Edition offers high-performance wavelength-dispersive XRF analysis for minerals and concentrates. Its SuperQ software, with Virtual Analyst, simplifies setup and enhances analytical capability. Combining decades of proven platforms like Axios and MagiX, Zetium delivers unmatched precision and flexibility. Global service and remote support ensure reliability, while its continuous innovation improves user experience, making Zetium a benchmark in elemental analysis technology.



ONLINE AUTOMATION

Malvern Panalytical's Online Automation solutions automate sample prep, analysis, and transport within laboratories. This results in consistent, highly repeatable results, reduced human error, and cost savings. Tailored to customer needs, the modular design supports seamless workflow integration. It enables automated data validation and distribution, increasing throughput and lab efficiency. Remote support and expert collaboration ensure optimized, scalable lab solutions that evolve with your process.



www.malvernpanalytical.com

MANAS MICROSYSTEMS PVT. LTD. (BAUMER GROUP)

Manas Microsystems Pvt Ltd is a leading manufacturer of water, liquid and gas flow meters and solutions related to flow measurement technologies.

The company is known for its expertise in designing and producing various types of flow meters used for applications in heat treatment, foundries, metal industry, furnaces, boilers etc.

Manas Microsystems manufactures BTU meters, Thermal Energy Meters, Steam flow meters, Gas flow meters like CNG-LPG-PNG flow meters, Bio Gas flow meters, Compressed Air flow meters, Industrial Oxygen flow meters. The gas flow meters measure mass flow rate of gases directly without any need for pressure or temperature compensation. Manas heat transfer meter (Model HET-100L) is popular in Thermic Fluid applications.



Apart from the above, Manas manufactures electromagnetic flow meters, ultrasonic flow meters, and thermal mass flow meters. These devices are used to measure the flow rate of liquids in different applications.

Other products made by Manas include Flow totalizers, Draft gauge for boilers etc.

The company has established a presence both in the domestic Indian market and internationally, catering to a diverse range of industries requiring accurate and reliable flow measurement solutions.

Manas Microsystems is one of India's largest Gas Flow Meter manufacturers and exporters.

We are perhaps the only Gas Flow Meter supplier with the capability to Manufacture, Assemble, Test, and calibrate mass flow meters for gas applications.



Designed for accuracy and reliability, our gas flow meters are suitable for various industrial applications in the heat treatment industry, automobile industry, metal industry.

Being a direct mass flow meter, it does not require any pressure and temperature compensation.

It can be a good alternative to Vortex flow meter. To know more about it visit <https://manasmicro.com/thermal-mass-flow-meter/>

Manas Microsystems offers an insertion-type Thermal Mass Flow Meter, an ideal choice in such cases. This flow meter can measure both instantaneous flow rate & total flow precisely. Process pressure and temperature fluctuations pose no problem in measurements, as this flow meter does not need any pressure or temperature compensation. It can easily be installed on gas pipelines or ducts.



The sensor has no moving parts. Hence, it does not need any maintenance, except for occasional cleaning with compressed air. The sensor is straightforward to install, as one must only insert and screw it in the socket welded to the pipeline, and align the sensor, as per the instructions in the manual, on the pipeline/duct. The necessary straight length of pipe on both sides of the sensor must be ensured. The sensor is connected to the electronics, so the installation is complete. It is so simple!

Manas heat transfer meter (Model HET-100L) is a meter for the Heat Transfer application. It measures Thermal Energy carried by various fluids that are used as heat transfer mediums.

This meter is popular in Thermic Fluid applications.

BTU Meter For Heat Transfer HET-100L takes care of the compensation of variation in density & specific heat with varying temperatures of the fluid.

It also measures the thermic fluid flow rate & is also useful for measuring thermal transfer for hot water flow.



Manas offers Steam Flow Meter for measuring flow rates of saturated and superheated steam, mass flow rates of Boiler feed Water in closed conduits. It is based on the differential pressure measurement across the orifice.



Manas steam flow meter is a complete engineered package to suit user requirements. Hence there is no hassle during installation. There are no moving parts and hence the unit works without problem for a long period. No wiring connections are required during installation. Installation is easy because very little care needs to be taken at the site during installation to avoid leakages.

Thermal Mass Flow Meter is one of the best fuel gas flow meters, as it requires no pressure or temperature compensation and can detect gas mass flow directly.

It is accurate, simple to install, and has no moving parts. It provides good rangeability, outstanding low flow sensitivity, and minimum pressure loss, making it the ideal flow solution for fuel gas measurements.

It is used for Compressed Natural Gas (CNG) Liquefied Petroleum Gas (LPG) or Piped Natural Gas (PNG) applications. If the gas composition is known, this gas flow meter can be configured for many other fuel gases also.



Compressed air is one of the most expensive energy sources within a factory. It is much more critical to correctly quantify compressed airflow. In the

industrial context, compressed air flow measurement provides a considerable opportunity to save money by lowering energy expenses.

Manas Thermal Mass Flow Meter will help you assign expenditures, track total consumption, and increase plant productivity. You can do this by monitoring compressed air usage rates through various facility divisions. Manas Compressed Air Flow Meter can provide both overall consumption and time tracking, which can aid in identifying high-consumption times.

Manas electromagnetic flow meter is independent of Viscosity, Density, Dissolved/Un-dissolved solids, pressure, or temperature of the flowing liquid if it maintains certain minimum conductivity. This flow meter is field configurable and hence it is easier to change the range on the field.

We have a calibration set up in accordance with NABL requirements.

Use of various types of Liner & Electrode materials make these flow meters popular in ETP, STP, Waste Water and other industrial water applications.

Manas has the capacity to manufacture, assemble, test, and calibrate all flow meters in-house. Very few flow meter manufacturers have this capability.



www.manasmicro.com



MEATECH SOLUTIONS LLP

We are a privately owned company **MeaTech Solutions LLP** under partnership that operates on a customer base built up over more than 400 man years of trading in the related field. MeaTech is a provider of measurement and monitoring equipment and services in India, with branches in Kolkata and Gurugram our sales and service representative located in Kolkata, Gurugram, Nagpur, Hyderabad and Bangalore with permanent staff of 40. Included in this number are both professional and technical staff members with many years of combined experience in hydrology, meteorology, instrumentation, surveying, software and electronics.

RIEGL MAKE TERRESTRIAL LASER SCANNER

RIEGL VZ-4000i25 The Ultimate Long Range Laser Scanner. RIEGL's latest generation of professional Terrestrial Laser Scanners stands for extreme versatility, high productivity, ultimate performance, and smart connectivity – providing an excellent return on investment.

- Pulse repetition rate 500 Khz
- Eye safe operation at Laser Class 1
- Field of view 60°x360°
- Range up to 4600 m, accuracy 15 mm
- Automatic on-board registration
- Cloud connectivity via Wi-Fi and 3G/4G LTE
- Integrated 3-axis accelerometer, 3-axis gyroscope, 3-axis magnetometer (compass), barometer



RIEGL MAKE TERRESTRIAL LASER SCANNER

This 3D VZ-Line Laser Scanner offers superior and unrivaled long range measurement performance up to 4,000 m reflectorless while still maintaining completely eye safe operation.

- Range 4,000 m
- Laser Class 1
- Data acquisition 222,000 meas. / second
- Accuracy: 15 mm
- Integrated Digital Camera
- Scan Speed: 100°/sec to 14400°/sec



RIEGL MAKE TERRESTRIAL LASER SCANNER

The RIEGL VZ-2000i Long Range 3D Laser Scanning System combines proven user friendliness in the field with fast and highly accurate data acquisition.

- Pulse repetition rate 1.2 MHz
- Data 500,000 measurements/sec
- Eye safe operation at Laser Class 1
- Field of view 100°x360°
- Range up to 2500 m, accuracy 5 mm
- Automatic on-board registration
- Cloud connectivity via Wi-Fi and 3G/4G LTE
- Integrated IMU for pose estimation and kinematic data acquisition



RIEGL MAKE TERRESTRIAL LASER SCANNER

RIEGL VZ-600i RIEGL's latest generation of professional Terrestrial Laser Scanners stands for extreme versatility, high productivity, ultimate performance, and additional mobility – providing an excellent return on investment.

- Pulse repetition rate 2.2 MHz
- data download of up to 500 MB/sec
- 3D position accuracy up to 3 mm @ 50 m
- broad range capability (0.5 m up to 1000 m)
- Class 1 Laser
- Integrated by internal Camera: 3 x 12 MPix CMOS color cameras, FOV 115° x 40° (v x h)
- 5 sec scan time for low resolution overview scans



RIEGL make Unmanned Laser Scanner

The RIEGL miniVUX-1UAV is an extremely lightweight airborne laser scanner, designed specifically for integration with UAS/UA/RPAS.

- Very compact & lightweight (1.55 kg / 3.4 lbs)
- 360° field-of-view
- Scan speed up to 100 scans/sec
- Measurement rate up to 100,000 measurements/secm



RIEGL MAKE MOBILE LASER SCANNER

The RIEGL VMQ-1HA is a compact, economically priced High-Speed Single Scanner Mapping System, well suited for a variety of mobile mapping applications.

- 1.8 MHz effective measurement rate 250 scan lines/sec
- Laser Class 1
- Accuracy 5 mm
- Field of View: 360° "full circle"
- Scan Speed: 250 scans/sec



www.meatechsolutions.com



MEGAPLAST INDIA PVT. LTD.

Megaplast is a global leader in the production and marketing of high-quality polyethylene (PE) products, with over a decade of expertise. We specialize in Retail Packaging, Industrial and Agricultural Films and Geomembranes. Our reputation for reliability is built on a commitment to delivering consistency in product quality, pricing, and environmental protection to our customers across the globe. Megaplast India manufactures and export geomembranes which meet national and international standards. MegaLiner geomembranes are high strength, UV stabilized and are utilised in a wide range of industries such as oil and gas, water conservation, landfills, etc. Megaplast plant is located in Daman and has an house lab that is GAI-LP accredited.



MEGAPLAST™

HDPE GEOMEMBRANES

Megaplast India manufactures and export geomembranes which meet national and international standards. MegaLiner geomembranes are high strength, UV stablized and are utilised in a wide range of industries such as oil and gas, water conservation, landfills, etc. Megaplast plant is located in Daman and has an house lab that is GAI-LP accredited.



LDPE GEOMEMBRANES

LDPE geomembranes are known for their flexibility and elongation properties, which make them ideal for use in applications where the material will be subject to movement or stretching. They are often used in a variety of applications such as lining of ponds, channels, and lakes, landfill, mining, and waste containment. They are also a cost-effective solution for waterproofing and containment in many industrial applications.



CONDUCTIVE MEMBRANES

Megaplast Conductive Geomembranes are equipped with a coextruded electrically conductive layer that allows for post-installation surface inspection through spark testing. This feature makes them particularly useful for detecting leaks and repairing them in mining and containment applications involving hazardous waste.



EXTRA FLEXI

Megaplast Extra Flexi Geomembranes are made of special LLDPE polymers that are less crystalline than traditional forms of polyethylene, making them more flexible, resistant to multiaxial stress, and less prone to brittle stress cracking. These properties make them ideal for use in landfill caps, pond and channel liners, prefabricated tank liners, and sewage processing ponds.



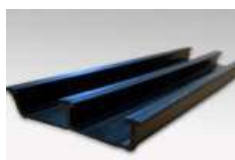
RADON BARRIER

Radon is a naturally occurring, radioactive gas that is produced by the decay of uranium in the soil. Prolonged exposure to high levels of radon gas can increase the risk of lung cancer. Megaplast's Radon barriers are typically installed in the foundations of buildings, and are an important measure for protecting the health and safety of building occupants.



MEGA LOCK

MegaLock is a specialized HDPE (high-density polyethylene) profile designed for the secure attachment of Megaplast HD geomembranes to concrete structures. It is a durable, rugged, and chemically resistant product, made from high-grade resin for optimal weldability with Megaplast geomembranes.



WELDING ROD

Megaplast Welding/Extrusion rods are designed to give proper bonding while welding two sheets of extrusion geomembrane. Our weld rods are packed on strong & sturdy plastic spools as per industry standards for better handling. Our product also ensures that it is compatible with the Megaplast geomembrane sheets since they are made of the same resin and formulation as liners.



www.megaplast.in

MERIT BMH ENG MERIT TECHNOLOGIES INDIA



MERIT BMH ENG MERIT TECHNOLOGIES is over 28 years serving industrial customers in coal handling. We manufacture Rapid Loading Systems, Electronic Road weigh bridges, In motion Rail weigh bridges, Belt weigh scales, Silo / Hopper weighing, Gates, Chutes, Telescopic loading spouts, Air blaster, Auto coal sampling system, Collapsible overhead electrification system underneath the silo.

Basically, we have been in the turnkey project business, supplying RLS for over 28 years, we Merit offers engineering solutions for bulk material handling, including the design, production, supply, installation and commissioning of Rapid Loading Systems, Auto Sampling Systems, Air Blasters, Silo & Silo Extraction Systems, Telescopic Bulk Loading Systems, Heavy Duty Gates & Valves, In-motion Rail weigh bridges and Truck Weighbridges and Automation for materials like Coal, Iron Ore, Clinker, Sulphur, Lignite, Cement, Pet coke, limestone and so on.

Merit's products have a wide distribution and are exported to countries such as Abu Dhabi, Bolivia, Canada, Indonesia, Kenya, Nigeria, Tanzania, Uganda, Malawi, Nepal, Sri Lanka and more.

Adani Group, Ahmedabad, recently awarded Merit with the Partner in Progress and Reliable Partner for the Year 2022, in recognition of its timely support and execution of the projects.

Our new products are Container trailer / truck / tractor trolleys –Tippler and Container tilter for tilting it up to 90 degrees, in vertical position.

- Rapid loading system for Trucks, Wagons
- Installed approx 300 systems & more.
- Capacity 5500 TPH
- Weigh accuracy +/- 0.05%
- Weigh time- 50 to 60 sec per car
- Fail safe, other safety in built
- Used in Coal, Cement, Iron ORE, Chemical, Paper, Power, Oil & Gas, Sulphur, clinker etc.
- In motion rail weigh bridge
- RDSO approved
- Cap 140 T
- In use by NTPC, Coal India, MCL, BCCL, Nalco, Wonder, JK 7 many more.
- In Motion Rail Weigh Bridge
- Static Rail/Road Weigh Bridge
- Portable Road Weigh Bridge
- Hopper weighing system
- Belt Weigher



DIVERTOR GATE - GATES & VALVES

- Rack & Pinion Gate
- Clam Shell Gate
- Belt feeder Gate
- Sector Gate
- Rolling Slide Gate
- Rod Gate
- Flow Control Gate
- Shut Off Gate & Knife Gate



COLLAPISBLE OHE

Collapsible Overhead electrification system, its erection & commissioning, AMC / CAMC & Operation & Maintenance.

CONTAINER TILTER

Suitable For Receiving 20 Feet Container, Locking Its Doors in Open Condition and Tilting It Up To 90 Degrees, In Vertical Position.



TRUCK TIPPLER

Container Trailer / Truck / Tractor Trolleys - Hydraulic container – Tippler – Dimension 3m x 9m to 24m and minimum load capacity of 60mt.

GATES & VALVES

- Flap Diverting Gate (Two / Three Way)
- Prism Flow Diverting Gate
- Rolling Blade Diverting Gate



(Two / Three Way)

- Air Slide Diverting Gate
- Dosing/Flow Control Valve
- Double Flapper Valve
- Sluice Flap Valve
- Rotary Air Lock Valve
- Air Balance Valve
- Ramp/Coal Valve & Nib Trap



www.meritbmh.com

■ MILLENIA TECHNOLOGIES (I) PVT. LTD.

Millenia Technologies (I) Pvt. Ltd. an Authorized Exclusive dealer and respected Business Partner in India of the below mentioned EUROPEAN companies that provides best-of-breed business solutions leveraging technology delivered by the best in class people for Surface Finishing, Ultrasonic Cleaning, Measuring of precision components & CVD coating.



OTEC Präzisionsfinish GmbH

OTEC has a worldwide reputation of leading manufacturer of high quality innovative machines for DEBURRING, GRINDING, EDGE HONING, SMOOTHENING & POLISHING for different industries

ROSLE Präzisionsfinish GmbH

Rösler is the only surface finishing supplier in the world that offers the two most essential finishing technologies, mass finishing and shot blasting, as well as industrial washing systems and in-house production and development

Elma Schmidbauer GmbH

ELMA is quality manufacturer of INDUSTRIAL ULTRASONIC CLEANING MACHINES & CHEMICALS along with STEAM CLEANING from more than 50 years.

Alicona Imaging GmbH

BRUKER ALICONA is a leading company in Graz, Austria manufacturing machines for HIGH RESOLUTION OPTICAL 3D MEASUREMENT SYSTEM for FORM & ROUGHNESS measurement with 360° rotation possibility

IHI Bernex

Bernex CVD systems are unmatched in their precision and reliability, providing quality coatings. Bernex develops and supplies CVD equipment for all large market players

IHI Hauzer

Hauzer has been a pioneer in plasma coating equipment since 1983. Creative solutions are part of our DNA.

www.millenia-technologies.com

■ MINING INDIA

At MINING INDIA, our primary purpose is to support the underground coal mining industry with high-quality equipment and parts. We aim to enhance operational efficiency and safety for our clients by providing reliable solutions tailored to their specific needs. Our goals include expanding our product offerings, maintaining



exceptional customer service, and fostering long-term partnerships with our clients and suppliers. We are committed to continuous improvement and innovation, ensuring that we meet the evolving demands of the mining sector.

Over the years, we have built strong relationships with leading manufacturers worldwide, allowing us to provide our clients with the best products and services available.



ROAD HEADERS



CONTINUOUS MINER PACKAGE



ROTO PUMPS FOR MINING APPLICATION



CHAINS
J.D. Theile GmbH & Co.KG (GERMANY)



MOTOR
Laxmi Hydraulics Pvt. Ltd.

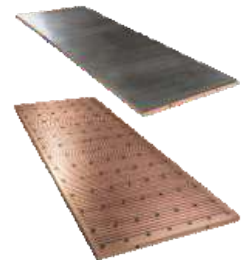
www.mining-india.in

■ MIPALLOY NOMURA PLATING COMPANY LLP

Mipalloy Nomura Plating **mipalloy NOMURA PLATING COMPANY LLP** (MNPCO) is a leader in the field of mould plate surface treatment. Mipalloy Nomura Plating Company LLP does refurbishment of used Continuous Casting Mould Plates with Nickel & Patented TAP-II Coating for Steel Industry.

Mipalloy Nomura Plating Company LLP focuses on reconditioning worn Continuous Casting Mould Plates for the steel sector. They utilize specialized Nickel plating and their exclusive TAP-II Coating to restore the plates.

This process improves the plates' longevity and efficiency, providing a reliable and economical option for steel manufacturers.



www.mipalloynomura.com

■ MP FILTRI INDIA PVT. LTD.

MP Filtri is a family-owned industrial company which was founded in 1964 by Bruno Pasotto. His intuition and vision took the company to an international position. A success story whose legacy, in 2007, was collected, with passion and determination, by the second generation that led MP Filtri to assume a multinational dimension with a functional structure consisting of a selected Management Team, who thrive on passion, drive, determination and skill.



MP Filtri evaluate each new product design through accurate laboratory tests which combine both technology & efficiency ensuring innovation is a priority of the design process. MP Filtri supply a wide range of products for all hydraulic &

lubrication mobile & industrial applications using filters, elements & accessories as well as bell housing and drive couplings for power transmission systems. As a total solution provider, MP Filtri completes the range with contamination monitoring products and mobile filtration units suitable for various fluid applications.

HYDRAULIC FILTRATION

The study of adequate filtration systems becomes a necessary condition for a correct design of the hydraulic machines and of the hydraulic systems, more and more equipped with high quality components and sized for high performances. Designing a filtration system means evaluating the type and location of the filters in a specific hydraulic system in relation to: sensitivity of the individual components, degree and type of contamination, circuit pressure/flow rate, environmental conditions, fluid used and intervention cycles, guarantee of a longer life of the machines than expected.



CONTAMINATION MONITORING PRODUCTS

MP Filtri designs and manufactures a complete range of contamination control solutions aimed at increasing the life and the productivity of the hydraulic circuits. The technology of the Contamination Monitoring Products division allows preventive and predictive maintenance, guaranteeing maximum continuity of operation, a longer life cycle of the components and a relative reduction in costs. A complete solution that combines highly functional and energy-efficient systems with a wide range of after-sales services.



MOBILE FILTRATION UNITS

Specialized in particle counters and hydraulic filtration, MP Filtri provides a complete set of high-tech, fixed or portable engineering solutions for measuring fluid contamination. Mobile filtration units provide the perfect solution for the maintenance of lubrication oil and hydraulic fluids in off-line filtration applications. With a versatile and compact design, they are used to pre-filter, transfer or condition hydraulic fluids from existing circuits to new ones or to clean existing ones during oil changes, filling and flushing, also removing any residues of water.



ACCESSORIES FOR HYDRAULIC SYSTEMS AND TANKS

The complete range of MP Filtri tank accessories for hydraulic circuits is composed of: breather filters, filler and breather filters, filler caps, visual and electrical level indicators, pressure gauges selectors, flanges for fixing the oil tubes on the tank cover and inspection doors. In particular, filler and breather filters have a dual function at the tank inlet: the filtration of the incoming air and the pre-filtration of the fluid through the basket, in order to prevent the entry of foreign bodies during the filling or refilling operations.



POWER TRANSMISSION

Power Transmission is the division dedicated to structural components for the coupling between electric motor and pump. MP Filtri couplings, used for power transmission from a motor to a hydraulic pump, are available in aluminium, cast iron and steel. Certified according to ATEX 2014/34 / EU Category 2G - Areas 1 and 2, they are suitable to be applied even in potentially explosive areas. MP Filtri bell housings, monobloc or modular, are available in different types for the maximum compatibility with most pumps available on the market. They are also available in a specific version that can significantly reduce the noise level.



www.mpfiltri.com

NATIONAL ENGINEERING INDUSTRIES LTD.

Founded in 1946, National Engineering Industries Ltd (NBC), is an integral part of the CKA Birla Group |  (NBC), is an integral part of the CKA Birla group (formerly the CK Birla Group) and manufacturer of the NBC brand of bearings. CKA Birla Group is today a multibillion-dollar diversified conglomerate with over 35,000 employees and 50+ manufacturing facilities across India and the world, with a presence in diverse sectors including technology, automotive, home and building and healthcare. NBC is India's leading manufacturer and exporter of bearings with manufacturing capacity of 250 Mn bearings annually in over 3100+ variants for application across automotive, railways, aerospace and industrial segments to serve customers in more than 30 countries. It also serves the Indian aftermarket through a countrywide network of over 550 authorized stockiest and thousands of retailers.

Headquartered in Jaipur, NBC is the only bearing manufacturer in the world to win the prestigious Deming Grand Prize (2015). With an employee strength of over 3,000 and five manufacturing plants in Jaipur (2), Bagru (Rajasthan), Newai (Rajasthan) and Vadodara (Gujarat), NBC is equipped with global manufacturing and process technology and has one of the best R&D centres in India. Apart from being technologically advanced, the company practices methods of sustainability by using alternate sources of energy and increasing the efficiency of the manufacturing process by leveraging on the power of digitization.

In 2020, National Engineering Industries Ltd, acquired Kinex bearings in Europe through its subsidiary NBC Global Ag, to enhance, diversify and provide best-in-class products to its existing and potential customers. In 2022, NBC Global Ag opened its Global Technology Centre in Germany to support innovation and provide support to NBC's global growth.

In 2024, NBC Bearings has ventured into the aerospace segment, leveraging its precision engineering expertise to support India's growing ambitions in aviation and space technologies.

For details, visit: <https://nbcbearings.com/>

POLYAMIDE CAGE FOR TAPERED ROLLER AND DEEP GROOVE BALL BEARINGS

Polyamide cage bearings are conventional bearings with glass fiber reinforced polyamide cage material instead of metal. These bearings offer some excellent benefits for certain demanding applications against metallic cage bearings.

HIGH TEMPERATURE BEARINGS - NBC has developed unique heat treatment solutions for high temperature applications to provide superior dimensional stability for operating temperatures as high as 250°C.

HYBRID BALL BEARINGS - Hybrid bearing also known as anti-friction ball bearing consists of rolling element made of Silicon nitride in place of steel. Silicon nitride rolling elements perform exceptionally well in high-speed operating conditions.

SEALED SPHERICAL ROLLER BEARINGS - Sealed Spherical Roller bearings are like conventional spherical roller bearing in design and features, however for extra protection of bearing and lubricant from any external agents it has contact seals in the recesses of the outer ring

INSULATED BALL BEARINGS - Electrical insulation coating prevents electrical pitting in the bearings and improves bearing life in motor application.

HCR WEAR RESISTANT BEARINGS - Wear resistance coating on rolling elements helps avoid metal to metal contact in low film thickness and protects against adhesive and abrasive wear.



www.nbcbearings.com

NEW SWAN AUTOCOMP PVT. LTD.

"New Swan is one of the leading manufacturers of Fine Blank Parts, Sheet Metal Fabrication & Welded Parts, Forge & Precision Machined Parts, Sub-Assemblies and High-Quality Oil Seals". Since its inception in 1985, New Swan has grown steadily under stable leadership, sound business practice and corporate culture that strive to be the best in the industry. The core strength of organization resides in the knowledge, dedication and values of our people. The value of our products is complemented by large scope of manufacturing capabilities. We are ISO/TS 16949 and ISO 14001 Certified. "We are very well positioned in India having 10 manufacturing units and our technical and manufacturing skill gives us edge over competition". We are OEMs to Honda, Hero, Suzuki, TATA, Mahindra, ISUZU etc.

Hardened Steel Pins, Linking Pins, Pivot Pins, Special Collar Pins, Bucket Pins, Induction Hardened, Precision Machined As per Customer Specifications for Mining, Earthmoving & Automotive equipment's.

Forged, Machined, Case Hardened Steel Bushes, Pins, Forged Bolts and Bronze Bearing Bushes, Steel Washers as per Customer specifications for King Post Carriers, Track Chains for Mining, Earthmoving, Construction, Agriculture Heavy Equipment's and Machines.

High Quality Oil Seal Solutions, Oil Seals, Shocker Seals, Radial Oil Seals, Cassette Oil Seals, Industrial Oil Seals, Agriculture Equipment Oil Seals, Automotive Oil Seals & Earthmover Oil Seals etc...

Earthmover Undercarriage Parts, Track Bottom Rollers, Upper Rollers, Idler Wheel, Sprockets for Various Excavators used in Construction, Mining & Excavation Works.

Sheet Metal Blank, Fabrication & Cold Forged Parts for Automotive Applications, Truck Parts, Trailer Parts, Car Chassis & Body Parts, Two-Wheeler Parts & Sub-Assemblies as per OE Specifications.

Cold Forged & Sheet Fabrication + Welded Assemblies for Earthmovers, Trucks, Dumpers, Trailers, Car and Two Wheelers as per OE Specifications.



www.swanindia.com

NEWTON WEIGHING SYSTEM PVT. LTD.

Established in 2005, Newton Weighing is a trusted company engaged in the manufacturing and servicing of Industrial Weighing and Automation Systems.



We offer a wide range of products, including Conveyor Belt Weighing Scales, Weigh Belt Feeders, Road Weighbridges, Pay Loader Weighing Systems, On-Board Truck/Tripper Weighing, Tank/Silo Weighing Systems, Load Cells, and other customized process control solutions tailored to specific client needs.

Our systems are deployed across sectors like Mining & Metallurgy, Quarrying, Construction, Thermal Power, Chemicals, Fertilizers, Waste Management, FMCG, and Material Handling Equipment's.

Our latest innovation, Weigh Connect® IoT, enables users to remotely monitor and control production in real-time from anywhere. This intelligent system not only provides insights but can also be configured to control digital equipment remotely, improving efficiency and reducing manual intervention.

At Newton, we are committed to continuous innovation, delivering smart and cost-effective automation solutions that empower our clients to optimize operations and reduce downtime.

BELT WEIGHER SYSTEM:

Our Newton® make NBS series Belt Scales are a High Precision Online Weighing System used to gauge the flow rate of material travelling over a conveyor belt. Our Belt Scales prove as an essential mode of measuring and monitoring material and helps with prime data like Flow Rate (TPH), Cumulative Totalised Quantity Processed, Belt Speed, Belt Load (kg/m) and all these data are recorded and stored in our Weighing Controller.

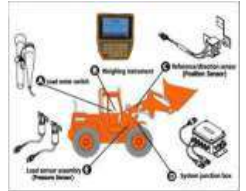


Accredited Certifications: Model Approved by Govt of India, Legal for Trade Series -Legal Metrology Weights and Measures Certified.

ON-BOARD WEIGHING SYSTEM:

Versatile and fully automatic, our Newton® make NPLS Systems help in weighing the contents of the Loaders/Excavators/Dumpers/Forklifts etc.

Our NPLS system is a Highly Precise Online Weighing System which can easily be retrofitted on any vehicle without need of major modifications. This scale help is measuring the Live Weight, Cumulative Total Weight, Bucket/Trip Counts, Set Point for Target Load, Underload/Overload values.



Benefits: Makes Loading accurate and fast / Eliminates fines / Total Loading records can be recorded.

ROAD WEIGHBRIDGE SYSTEM:

Our Newton® make NTI-W Series Road weighbridges are a High Precision Static Vehicle Weighing Scales mounted on a concrete surface to weigh vehicles and their contents accurately.

Available in sizes starting from 7x3m to 22x3m ranging from 10 Tons to 200Tons.



Weighing Data from the scale can easily be transmitted to any external devices viz. Scoreboards, PLC, Alarms Systems etc. Through our Weigh Connect IoT, data can also be online or over SMS/Email for remote monitoring.

Accredited Certifications: Model Approved by Govt of India, Legal for Trade Series -Legal Metrology Weights and Measures Certified.

WEIGH BELT FEEDERS:

Newton® manufactures custom engineered Belt Weigh Feeder systems that find use in continuous bulk proportioning of solids.

Our Weigh Belt Feeders along with measuring the flow rate also maintains a constant feed rate of material by varying the belt speed.



The desired flow rate can be set on our controller; rest leaving it all to our intelligent controller which automatically detects and adjusts the speed of the belt through the VFD when there is an Underload or Overload corresponding to the set flow rate.

Accredited Certifications: Model Approved by Govt of India, Legal for Trade Series -Legal Metrology Weights and Measures Certified.

HOPPER WEIGHING SYSTEM:

Our Newton® make NHS series Hopper scales help in weighing a continuous flow of product from a hopper/tank/silo.

This system is generally used in process industries for inventory control, process optimization, recipe creations, and other process control.

Along with displaying weight, our controller also has an In-Built Material Level Indicator which continuously displays the bin level status for better productivity optimization.



www.newtonweighing.net

■ NICCO CABLES PVT. LTD.

With over 80 years of industry leadership, we are one of India's pioneering ISO-certified cable manufacturers. Our in-house R&D has driven innovations in compounding technology, consistently meeting stringent national and international standards. We were the first private company in India to install a 3 MeV Electron Beam Accelerator from Radiation Dynamics Inc., USA, enabling the production of high-performance, electron beam-irradiated cables. Our product range serves vital sectors including mining, minerals, material handling, steel, power, railways, ports, shipbuilding, and more. Backed by world-class manufacturing facilities, advanced machinery, and comprehensive testing infrastructure, we ensure superior quality and reliability across our offerings. We are committed to continuous technological upgrades and process improvements, keeping our solutions aligned with evolving industrial needs. Driven by innovation, excellence, and customer-centric service, we remain a trusted partner to India's core industries. Our legacy of quality and commitment positions us strongly to support the nation's growth today and into the future.



Composite Trailing Cables/ Trailing Cables:

Nicco Trailing Cables are heavy-duty elastomeric flexible cables designed to withstand high mechanical stresses, including tensile load and repetitive flexing in mobile equipments such as shuttle cars, stackers, and reclaimers. Our cables are engineered with EPR insulation and CSP/PCP sheathing and ensure high resistance to abrasion, flame, oil, and thermal extremes, ideal for trailing applications in mining, steel, and port operations.



Composite Trailing Cables integrate power, earth, pilot and control cores within a single cable, eliminating multiple cable runs and reducing space, cost, and weight on drag chains or festoons and CRD applications as per IS 9968 (Part 1 & 2), IS 14494, IEC 60245, and BSEN 50525. All Nicco trailing cables are manufactured in a NABL-accredited Testing facility with in-house compounding and testing, delivering unmatched operational life and safety in mission-critical applications.

Reeling/Unreeling Cables:

Nicco Reeling/Unreeling Cables are designed for continuous flexing applications involving reeling drums in cranes, stacker reclaimers, port machinery, and mining conveyors.



Our elastomeric cables are insulated with EPR and sheathed with CSP or PCP, offering outstanding flexibility and abrasion resistance. Suitable for high mechanical stress, they perform reliably under dynamic winding cycles, resisting oil, UV, and chemical exposure. They are compliant with IS 9968, IEC 60245, and BSEN 50525-2-21. Nicco cables support voltages up to 15 kV. Backed by in-house R&D and NABL-accredited Testing Labs, Nicco's legacy ensures performance consistency in the most demanding motion-based power transmission systems.

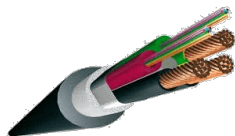
Composite Cables:

Nicco Composite Cables are multi-core, multi-function elastomeric cables engineered to carry power, control, signal, and optional optical fibre elements within a single sheath, including earth and pilot cores, designed for dynamic applications in mining, shipyards, and material handling systems. They simplify cabling architecture, reduce laying time, and minimise space. These cables contain EPR insulation and CSP/PCP sheathing, offering excellent resistance to mechanical stress, oil, flame, and abrasion. These are manufactured in compliance with IS 9968, IS 14494, and IEC 60502, IEC-60245 standards. They ensure operational integrity up to 15 kV, backed by our NABL-accredited Testing Lab and in-house compounding, Nicco delivers reliability where systems demand precision integration.



Hybrid Cables with Optic Fibre:

Nicco Hybrid Cables include Optical Fibre, which are advanced multi-functional cables designed to carry power, control, and high-speed data simultaneously, ideal for automated mining systems, port logistics, and high-precision industrial operations. These cables combine elastomeric-insulated power cores with single or multi-mode optical fibres, enabling ultra-fast, interference-free data transmission over long distances. Manufactured according to IS 9968 and IEC 60502 standards, with rugged CSP/PCP sheathing, Nicco delivers a compact, integrated solution where power meets fast data for intelligent infrastructure.



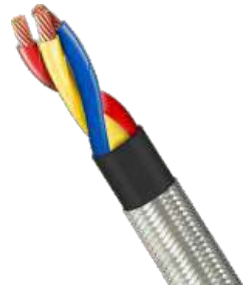
Festoon Duty Cable: Nicco Festoon Duty Cables are elastomeric flexible cables designed for continuous lateral motions in festoon systems used in EOT

cranes, hoists, transfer cars, and bulk handling systems. Constructed with Class 5 tinned copper conductors, EPR insulation, and CSP/PCP sheathing, our cables ensure superior bending performance, high mechanical endurance, and extended life. The cable structure resists kinking, oil ingress and harsh site conditions. Manufactured as per IS 9968 and IEC 60502 standards, these cables provide reliable dynamic power and signal transmission.



Silicon Cables:

Nicco Silicon Cables are designed for high-temperature environments demanding flexibility, heat resistance and flame performance. Manufactured with tinned copper conductors and silicone rubber insulations, our cables operate reliably in ambient temperatures ranging from -60°C to +180°C, with short circuit temperature up to 350°C. Ideal for steel plants, turbines, nuclear facilities, rolling stock, thermal power plants and aerospace applications, they exhibit excellent thermal stability, arc resistance, and dielectric strength. Conforming to IS 9968, IEC 60245, and BS-6007 for rolling stock applications, Nicco's silicone cables are also halogen-free and low-smoke, ensuring performance where thermal endurance and safety are critical.



www.niccocable.com

■ NMDC LTD.

NMDC Ltd., a Navratna PSE under the Ministry of Steel, Govt. of India, stands as the country's largest iron ore producer. Established in 1958 to explore, develop and utilize mineral resources, NMDC has spearheaded the development of the mineral sector by owning and operating highly mechanized iron ore mines in Chhattisgarh and Karnataka. The company also prides itself on operating India's only mechanized diamond mine in Panna, Madhya Pradesh.



Continuing its legacy, NMDC achieved a ground breaking iron-ore production and dispatch of over 45 million tonnes in FY24.

As part of its digital transformation, NMDC is implementing technologies like Drone-Based Exploration, Automatic Sample Collections, Fleet Management Systems and Enterprise Resource Planning on the SAP S4-HANA platform, that are optimizing processes, minimizing waste, and enhancing resource utilization capacity as NMDC is committed to responsible mining practices.

Under the guidance of the CMD (Additional Charge) Amitava Mukherjee, NMDC is ambitiously expanding towards a goal of 100 MTPA by 2030.

DONI LUMP

Doni Lump refers to the high-grade iron ore lumps sourced from NMDC's Donimalai mines. These lumps are of size ore to meet quality requirement of blast furnace feed. Doni Lump is ideal for direct use in blast furnaces, contributing to efficient and cost-effective steel manufacturing processes. Its consistent quality and availability make it a preferred choice for steel producers.



BAILA LUMP

Baila Lump is a high-quality iron ore product extracted from the Baila mines. The size of Baila Lump is -40 mm, +6mm meeting the requirement of blast furnace and gas-based sponge iron feed requirement. These iron ore lumps are renowned for their high iron content and low levels of impurities. Baila Lump's consistent quality ensures efficient smelting and optimal steel production, contributing to the overall productivity of the steel industry.

KUMARSWAMY LUMP

Kumarswamy Lump is a high to medium grade iron ore product from NMDC's Kumarswamy mines. These lumps are characterized by their high iron content and low impurities, making them suitable for use in blast furnaces.

DONI FINES

Doni Fines are fine particles of iron ore sourced from NMDC's Donimalai mines.

The size of iron ore is -10 mm and these fines are characterized by their high iron content and fine granularity, making them suitable for sintering making. Doni Fines play a crucial role in the production of sinter and pellets, which are essential feedstock for blast furnaces and direct reduction plants.



KUMARSWAMY FINES

Kumarswamy Fines are fine particles of iron ore sourced from NMDC's Kumarswamy mines. These fines of size -10 mm have a high iron content and are used in sintering to produce feedstock for blast furnaces. Kumarswamy Fines contribute to the efficient production of sinter and pellets, ensuring a consistent and high-quality supply of raw materials for the steel industry.

IRON ORE PELLET

Iron Ore Pellets are small, spherical agglomerates of iron ore fines that are used as a feedstock for blast furnaces and direct reduction processes. These pellets are known for their uniform size (6-16mm), high iron content, and excellent physical and metallurgical properties. The use of iron ore pellets improves the efficiency of iron-making processes, reduces energy consumption, and minimizes environmental impact.



KUMARSWAMY CLO (SIZED ORE)

Kumarswamy Calibrated Lump Ore (CLO) refers to the sized iron ore lumps extracted from the Kumarswamy mines. These lumps are carefully sized and processed to meet the specific requirements of blast furnaces and direct reduction plants.



DR CALIBRATED LUMP ORE

DR Calibrated Lump Ore (DR CLO) is a specially sized iron ore product used in gas based direct reduction processes. The size of CLO is - 40 mm, +10mm and these calibrated lumps have a high iron content and consistent size distribution, making them ideal for producing direct reduced iron (DRI). DR CLO is essential for electric arc furnace steelmaking, providing a high-quality feedstock that enhances the efficiency and quality of steel production.

DIAMOND

The extracted rough diamonds at NMDC only mechanised mines, undergo meticulous sorting and classification based on their colour, clarity, cut, and carat weight. Gem-quality diamonds, known for their exceptional clarity and brilliance, can be meticulously polished to meet high market standards. Off-colour diamonds, which possess hues that deviate from the classic colourless variety, are also valued for their unique aesthetic appeal. Industrial-grade diamonds, prized for their hardness and thermal conductivity, are utilized in various industrial applications such as cutting, grinding, and drilling. Through its comprehensive approach, NMDC ensures a diverse output that caters to both the luxury market and industrial needs.



www.nmdc.co.in

■ NMTG MECHTRANS TECHNIQUES PVT. LTD.

NMTG Mechtrans Techniques Pvt Ltd an ISO 9001:2015, ISO 14001:2015, ISO 45001: 2018 Certified Company based at Ahmedabad, Gujarat(India), having more than four decades of engineering field experience, engaged into manufacturing of Mechanical Power (torque) Transmission Products which is CE certified such as:



- Key less locking assembly - Used to connect rotary machine elements (instead of Key shaft connection).
- Free wheel one way clutch / Backstop / Anti rotating clutch - Used to arrest reverse motion of equipment & allowing one way direction of rotation.

- Shrink disc - Used as frictional connection between hollow shaft (hub) & solid shaft.
- Tensioner bolts nuts - Used in high pressure & preload applications – Similar like Super-bolts.

For details you can refer our Product page: <https://www.nmtgindia.com/range-of-products.html>

All these products are standard as well as custom-built as per customer requirement.

NMTG find its core clientele in Power Sector, Cement Industries, Coal, Mining Industries, Crusher Plants, Gear Box Manufacturing, Pulley and Conveyers, Material Handling industries.

In a very short span of time we have built our customer base in many Navratna and Mini Ratna PSUs as well as globally renowned EPC.

We are registered supplier at BHEL, NTPC, NLC, BCCL, SAIL, KHD HUMBOLT, LOESCHE, RELIANCE, ESSAR, VEDANTA, THYSENKRUPP, PRIMEMETAL, BEUMER, FLS, AUMUND, VOITH, SIEMENSE, DISA, KUNKEL, ETC.

At NMTG, we are committed to delivering innovative and reliable mechanical transmission solutions that enhance performance and operational efficiency worldwide.

KEYLESS LOCKING ASSEMBLY:- Used to connect rotary machine elements (instead of Key shaft connection).

Free wheel one way clutch / Backstop / Anti rotating clutch:- Used to arrest reverse motion of equipment & allowing one way direction of rotation.

SHRINK DISC:- Used as frictional connection between hollow shaft (hub) & solid shaft.

HYDRAULIC SHRINK DISC:- The hydraulic shrink disc is based on the same principle as the mechanical shrink disc. As a result of the hydraulic tensioning only a fraction of the time is required for installation and removal compared with the mechanical type shrink disc.

TENSIONER BOLTS NUTS:- Used in high pressure & preload applications – Similar like Super-bolts.



www.nmtgindia.com

■ NU-TECK COUPLINGS PVT. LTD.

Nu-Teck Couplings Pvt. Ltd. is a pioneer in manufacturing Mechanical Power Transmission products, which are widely used across all heavy industries globally.



INTRODUCTION

It is my pleasure to introduce our company, Nu-Teck Couplings Pvt. Ltd., India- a family owned firm Established in 1968. 57 years in the business brings us to today- Nu-Teck Couplings Pvt. Ltd. are the pioneer manufacturers of Mechanical Power Transmission products. With a focus on product excellence, we tread forward continuing to meet and surpass industry standards. We're a company that specializes in Mechanical Power Transmission products such as Gear Couplings, Chain Couplings, Jaw Coupling, Pin Bush Coupling, Resilient Coupling, Tyre Couplings, Torque Limiter Couplings & Sprockets.

We take pride to provide solutions for companies by:

- Providing products machined on world class CNC gear shaping and gear hobbing machines
- Providing high quality products (An ISO 9001:2015 Company)
- Providing custom manufactured couplings on a made to order basis

GEAR COUPLINGS

Nu-Teck crowned teeth gear couplings feature specially shaped gear teeth with a slight convex curve, known as a crown, on both the internal and external gears. This design optimizes contact between the teeth, reducing wear and enhancing torque transmission efficiency while accommodating misalignments. The crowned teeth help distribute loads more evenly, minimizing stress concentrations and improving the coupling's overall durability. Crowned teeth gear couplings are commonly employed in applications where misalignment and high torque transmission are prevalent, providing reliable performance and extended service life.



ROLLER CHAIN COUPLINGS

Chain couplings utilize roller chains to connect two shafts for transmitting power. They consist of two sprockets attached to each shaft and a roller chain looped around them. The chain's flexibility allows for angular misalignment and shock absorption, making chain couplings suitable for applications with varying loads and misalignments. They're often used in industrial machinery such as conveyors and pumps, offering reliable power transmission with minimal maintenance requirements and cost-effectiveness.



TORQUE LIMITERS

Friction plate type torque limiters are safety devices used to protect machinery from overload. They consist of friction plates sandwiched between two flanges. When torque exceeds the preset limit, the plates slip, preventing damage to the equipment. Once the overload is resolved, the plates re-engage. These limiters are widely used in industrial applications where sudden torque spikes are common, ensuring operational safety and minimizing downtime due to equipment damage.



TORQUE LIMITER COUPLINGS

Friction plate type torque limiter couplings combine the functions of torque limiters and couplings. They consist of friction plates between two flanges. When torque exceeds the set limit, plates slip, preventing damage. This protects machinery from overload while transmitting power. After overload, plates re-engage, ensuring continuous operation. These couplings are vital in applications with variable loads or sudden torque changes, offering both power transmission and overload protection in a compact design, reducing downtime and maintenance costs.



SPROCKETS

Roller chain sprockets are toothed wheels with grooves that accommodate roller chains. They mesh with the chain's rollers, transmitting rotary motion between shafts. These sprockets are crucial components in chain drives, commonly used in machinery such as conveyors and motorcycles for power transmission.



PINIONS/GEARS

WE AT NU-TECK HAVE THE CAPACITY TO MANUFACTURE GEARS UPTO 2METRE DIAMETER/ 25 MODULE ON GEAR HOBBING.

We also manufacture other types of couplings like pin bush coupling, tyre coupling, jaw coupling and resilient coupling.



www.nuteckcouplings.com

NU-TECK ENGINEERING COMPANY PVT. LTD.

Established in the year 1980, Nu-Teck Engineering Company Private Limited is one of the eminent names engaged in the industry. We manufacture and supply Crane Duty Gear Boxes, Hardened & Ground Gear Boxes, Aerator Gear Boxes, Agitator Gear Boxes, Turbine Gear Boxes and Twin Screw Extruder Gear Boxes, Customised Spur / Helical / Spiral Bevel Pinions & Gears. The products offered by us are successfully serving numerous organizations in the domestic markets. We are renowned for manufacturing a product line that is considered best in class throughout the industry.



Our organization is headed by a team of technocrats, who hold rich industry experience and are counted amongst the best in this field. They are the main reason behind the success of the company. Under their able guidance, we have moved from strength to strength. Owing to the support and tireless efforts of our team, the company has been able to establish a strong foothold in the domestic & international market."

MANUFACTURING FACILITIES

Gear Cutting Machines

CNC Gear Hobbing Machines, Conventional Gear Hobbing Machines, Gear Shapers of different makes with maximum capacity of 25 module and 2000 mm dia. of job.

Gear Grinding Machines

Profile Grinding Machines with maximum capacity of 12 module and 1000 mm dia. of job and equipped with Hoffer make Gear Tester to ensure the accuracy of the gears for profile and helix angle.

Horizontal Boring Machines

All equipped with DROs" with maximum capacity of spindle 110mm dia and table size 1100 mm x 1300 mm.

Bore & Face Grinding Machine

Bore & Face Grinding Machine for grinding bore and face of gears upto 500 mm dia in one setting

Other

Conventional machines like lathes including CNC, Milling, Drilling, Slotting, Welding etc. which provide complete in-house facilities to manufacture gear units. These are also accompanied by checking instruments which confirm the top quality maintained in all manufacturing processes.

CRANE DUTY HOIST APPLICATION



HOLLOW OUTPUT SHAFT GEARBOX



GEARED OUTPUT SHAFT GEARBOX

HORIZONTAL GEARBOX WITH SOLID OUTPUT SHAFT

- Hardend & Ground Gearbox For Steel, Cement, Sugar & Other Industries.



MODULAR GEARBOX
Hoist Application Gearbox of Compact Design.



AERATOR GEARBOX
Gearbox for Effluent treatment plants.



AIR COOLER GEARBOX
Gearbox for Cooling of Water Discharges From Refineries.



CO-AXIAL GEARBOX
Stacker Reclaimers in Material Handling.



TWIN SCREW GEARBOX
Extruder Machines for Plastic Industry.



TURBINE GEARBOX
Power Generation.

ORBINOX INDIA PVT. LTD.

We are a subsidiary of Orbinox SA, Spain engaged in the manufacture of following products with more than 60 years of experience in the industrial market worldwide, we have become a well-known manufacturer responding to new industrial developments:



- Knife Edge Gate Valves – Largest Range in India & in Europe
- Pinch Valves
- Penstocks (slide gates/ sluice gates) & Tilting disc Check valves

We are specialists in Knife gate valves, Penstocks & Pinch valves. Our 70,000 Sq ft Indian factory located in Coimbatore produces all above products from the best quality raw material. Design and engineering are done by our R&D wing located in Spain. Our product range offers you various types of Knife Gate Valves, Penstocks, Pinch valves & Check Valves designed for various applications. These different models are available in a wide range of metallurgy and Sizes.

Orbinox India produces over 50,000 valves per year, 60% of which are exported to European and American markets. 40% of the productions are presently sold in India. We have kept a spare capacity of around 1000 valves per month considering our growth in market share in the domestic market. In last financial year, our Indian operation turnover was 160cr+ mainly from Knife gate valve.

Steel & Mining is one of the major industrial segments for ORBINOX. As a result of our long experience in knife gate valve design and manufacturing for mining applications, ORBINOX offers today a comprehensive range of slurry knife gate valves. Our goal at all times is to offer excellent performance and low maintenance downtime solutions that solve our Customers' most demanding application needs. Our experience in the design and manufacturing of special valves allows us also to adapt to special application requirements. ORBINOX has the capacity to customize solutions by offering the appropriate valve for every application.

Apart from Mining Segment, we are in the following industries very successfully:

- Steel, Power, Paper and Pulp, Cement, Carbon Black, Fertilizer, Petrochemicals etc.

Orbinox India is presently catering to more than 500 Satisfied Indian Customers covering the industries of Mining, Steel, Power, Water, Paper, fertilizer, cement, carbon black & petrochemical etc.

We are regular supplier of knife gate valves to major EPC's & End users like TATA Steel, AMNS, SAIL, JSPL, NTPC, IOCL, JSW, JSL, L&T, Paulwurth, Thermax, GE, Alstom, BHEL, RUNGTA group, Adani, Reliance, Onshore, Vedanta, F L Smidth, Westec, TH company, Paulwurth, Siemens, Metso-Outotec, Doosan, Macwaber Beekay, BTL, Yadadri thermal-TSGENCO, All state thermal power plants, Emami group, Nuvoco group & many more..

Our mission is to meet the needs of our customers and to continue improving our products and services through teamwork, training and performance. The company's growth is balanced on years of experience from research, design, production and marketing with a firm determination to maintain recognition of its quality and service on the market and to remain competitive in the knife gate valve, penstock, pinch valve industry.

MODEL-VG (SLURRY VALVE; DN 50-DN 1400; DUCTILE IRON)

The VG model knife gate is a bi-directional wafer valve equipped with two metal reinforced rubber sleeves, designed for applications with abrasive slurries. The VG slurry knife gate valve is mainly used in industries such as:



- Mining
- Chemical Plants
- Power plants
- Wastewater Treatment etc.

MODEL-WG (SLURRY VALVE WIDE BODY; DN 50- DN 900; DUCTILE IRON)

The WG model knife gate is a bi-directional full flanged valve equipped with two metal reinforced rubber sleeves designed for use in the handling of abrasive, erosive, corrosive slurries, mainly in industries such as:



- Mining
- Chemical Plants
- Power Plants
- Wastewater Treatment etc.

MODEL- HG (SLURRY VALVE WIDE BODY; DN 50- DN 900; DUCTILE IRON)

The HG model knife gate valve is a full flanged heavy duty valve equipped with Multi metal reinforced rubber sleeves designed for use in the handling of abrasive slurries, mainly in industries such as Mining, Chemical Plants, Power Plants, Wastewater Treatment Plants, etc.



MODEL-HB (BIDIRECTIONAL HIGH PRESSURE; DN 50- DN 600; DUCTILE IRON/ WCB)

The HB model knife gate is a bi-directional valve designed for severe industrial service applications. The design of the body and seat assures non-clogging shut off on suspended solids in industries such as:

- Mining
- Chemical
- Wastewater Treatment etc.



The PA model pinch valve is a heavy-duty enclosed construction full bore valve that employs elastomer sleeves for flow shut-off and control in applications with abrasive and corrosive slurries. The sleeve is the only part in contact with the media, no other mechanical parts are required, and it is a maintenance free part.



The design of the sleeve assures non-clogging shutoff on suspended solids in industries such as:

- Mining
- Wastewater Treatment etc.
- Chemical Plants
- Pulp and Paper
- Power Plants
- Cement and Ceramic etc.



RM

The RM model is a reliable metal seated check valve with oblique seating angle widely used in industries such as:

- Mining
- Wastewater Treatment Plants
- Food and Beverage
- Pulp and Paper etc.



ORICON METALLURGICALS PVT. LTD.

At ORICON METALLURGICALS, We Believe 'Renewable Is the Future'.

Welcome to Oricon Metallurgical Private Limited, a pioneering resource recovery company founded in 2021, based in Chhattisgarh, India. Specializing in extracting valuable metals from scrap materials, we are committed to efficient resource utilization and a sustainable future. Investing in cutting-edge research and development, we're establishing an arc furnace and hydro metallurgical refining unit to reduce India's reliance on costly imports, saving millions of dollars and contributing to the local economy. Committed to "Make in India" and "vocal for local," we empower the nation through self-reliance and sustainable resource recovery practices. At Oricon Metallurgical, we're dedicated to shaping a greener, more sustainable future through innovative resource recovery solutions.

- **OUR VISION** is to BE and BE recognized as new age metallurgist, transforming resource negative to resource positive.
- **OUR MISSION** is to be a part of change engine that is driving the world to a circular economy.

We are excited to introduce Mular-30, which offers exceptional benefits in steelmaking efficiency. FeO recovery from Slag as well as Making the slag fluffy, with guarantee of zero clinker (jamming) formation. Improve minimum 1% yield of DRI.

Please find below a cost-benefit calculation using Mular:-

Parameter for one heat	Value	
Furnace Capacity	25 Tons	
Steel Made With Lumps and Pallets	20 tons	Assumed
FEO in Raw Material (@7%)	1.4 ton	Assumed
Fe in FeO is 77%	1.06 MT	By Chemistry
Mular Addition	100 kgs	Our Experience
Cost of Mular	₹17/kg	Landed price
Total Cost of Mular Addition per Heat:	₹17 x 100 kg	= ₹1,700
Steel Recovered with Mular	160 kgs	
Cost of Finished rolled product	₹50/kg	
Total Revenue from Steel:	₹50 x 160 kg	= ₹8,000
Net Saving per Heat:	₹8,000 - ₹1,700	= ₹6,300
Net Saving per Day (7 heats/day):	₹6,300 x 7	= ₹44,100
Net Saving per Month (30 days):	₹44,100 x 30	= ₹13,23,000
Net Saving per Year (12 months):	₹13,23,000 x 12	= ₹1,58,76,000



See for yourself how Mular can transform your slag-making process. Give us a call. "Key to good steel making is to make a good Slag."

www.orimet.in

PARCOMM HYDRAULICS PVT. LTD.

WE ARE AUTHORIZED DISTRIBUTOR FOR FOLLOWING BRANDS:



- Parker Hannifin Corporation: For Hydraulics, Pneumatics, Filtration, Instrumentation, Fluid Connectors, Seals, O-Rings, Hoses, Hose Assemblies, etc.
- Major Brands Owned by Parker – COMMERCIAL, VOAC, DENISON, GRESN, CHELSEA, STERLING, TYRONE, ERMATO, TAIYO, VANSO, DOMNICK HUNTER, FAIRLY ARLON, LEGRIS, OLAER, JOHN FOWLER, LUCIFER, RACOR, etc.
- Parker Velcon: For Aviation Fuel Filter Assemblies / Vessels / Housings and Elements.
- MICO Inc (Part of ZF Group): For Hydraulic Brakes and Brake Control Valves like Brake Valves, Electric Pedals, Accumulator Charge Valves, Master Cylinders, Slave Cylinders, Caliper Brakes, Multiple Disc Brakes, etc.
- Arrowhead Winch (Formerly known as Paccar Winch Division): For Hydraulic Winches under the brand names BRADEN / GEARMATIC and CARCO.

MAJOR PRODUCTS:

Hydraulic Pumps, Motors, Truck Pumps, Cylinders, Valves, Power Take Offs, Filters, Elements, Coils, Fittings, Solenoid Valves, Hoses, Seals, O-Rings, Transair Products, Heat Exchangers, Oil Coolers, Compressor Air Filters, Accumulators, Bladders, Brake Valves, Winches, etc.

MAJOR SEGMENTS / SECTORS CATERED:

- Original Equipment Manufacturers
- Oil & Gas
- Construction
- Mining and Drilling
- Electricity and Power
- Cement and Infrastructure
- Industrial MRO



PARKER - HYDRAULICS, PNEUMATICS, FILTRATION, INSTRUMENTATION



PARKER - OLAER ACCUMULATORS, BLADDER, AIR OIL COOLER, ETC.



AVIATION FUEL FILTER ELEMENTS

AVIATION FUEL FILTER ASSEMBLIES / VESSELS



MICO INC (PART OF ZF GROUP): HYDRAULIC BRAKES VALVES, BRAKE PEDALS, ACCUMULATOR CHARGE VALVES, ETC.



HYDRAULIC WINCHES UNDER THE BRAND NAMES BRADEN / GEARMATIC AND CARCO. OF PACCAR.

www.parcommhydraulics.com

PHOENIX CONTACT INDIA PVT. LTD.

Phoenix Contact India Pvt. Ltd., founded in 1992 as a joint venture, is one of the sales subsidiaries and production locations in the Phoenix Contact Group. Customer proximity and satisfaction is the most important principle for 750 employees working all over the country. The company is constantly introducing innovative products into the market, setting trends in Industrial Automation, Machine Building, Energy, Railways, Building Automation, Telecom and Process industries with our 100000+ articles. From the beginning it was our endeavour to produce locally, thus during past 30 years we have created state of art manufacturing base, strongly supporting Made in India philosophy.

We have this production facility at Prithla-Dhatir Road near Delhi. Our production unit spread is in 20265 sq. mtr. approx. It is a hub for production and logistics which coupled with Special Purpose Machines, bring new innovations in the market with enhanced efficiency.

From this production location we are manufacturing terminal block, Surge protection devices, cabling solution & connectors & a part of this manufacturing we are exporting to Germany.

Phoenix Contact India has been fulfilling its commitment of "Global Solutions – Local Presence" for the customers with its increasing number of regional offices in important cities including Mumbai, Pune, Bengaluru, Ahmedabad, Kolkata and Chennai. An experienced team of product specialist and regional engineers are working closely together to offer timely support to our customers in major cities of the country along with a dedicated network of more than 250 channel partners approx.

Power Reliability is the Key aspect where Phoenix Contact Focuses for a Control Cabinet.

Power Solutions provides products with a wide range of performance classes & features ensuring your systems run smoothly, efficiently, and without interruption



Phoenix Contact provides complete power solutions to ensure superior system availability with cutting-edge technology and exceptional quality.

Power Supplies are the heart of any control panel & play a vital role in continuous System Availability. The Multi-Functionality Portfolios of QUINT, TRIO, UNO, and STEP power product families are designed to meet these demands.

Our portfolio includes Power Supplies (AC/DC), DC/DC Converters, Redundancy Modules & DC – UPS Solutions with Battery & Capacitor Banks, all engineered to match the functional and design needs of diverse industries.

Power Reliability is the Key aspect where Phoenix Contact Focuses for a Control Cabinet.

System Protection is One of the key areas to ensuring systems run smoothly & efficiently.



Phoenix Contact is a Market Leader in India for the development and manufacturing of Make in India Surge Protective Devices. Decades of experience and intensive fundamental research are the foundation for our technological expertise, hence making us the Most Trusted Brand in the field of Surge Protection Devices.

Our products for the operational safety of electrical systems, installations and devices enable you to effortlessly create an uninterruptable and clean power, as well as a stable data connection with our coordinated product portfolio of Signal, Data & Transceiver surge protection Along with Device Circuit Breakers and EMC Filters.

The MARKING system portfolio provides a comprehensive system solution for simple and efficient marking processes – consisting of intuitive marking software, powerful marking systems, versatile identification solutions, and comprehensive services.

Laser marking describes the process of marking the marking materials with laser technology. Here, a focused laser beam is guided over the component to be marked. The energy of the laser beam hitting the component triggers a reaction, leaving a resistant and permanent marking. Depending on the material, there are various options for creating the contrast required with the base material.



The TOPMARK NEO can quickly and easily create marking materials for use in industrial applications. The TOPMARK NEO processes a diverse range of materials in card and sheet format for marking of plastic and metal labels for terminals, conductors, cables, devices, and plants.

Industrial connectors from Phoenix Contact protect your interfaces and ensure the reliable transmission of power, data, and signals even under the harshest conditions. The industrial connectors are resistant to dirt, water, vibrations, and high levels of mechanical strain. The heavy-duty connectors have a seal rating of up to IP69K. Outdoor M12 cabling is constantly exposed to extreme conditions: UV radiation, ozone pollution, extreme heat, extreme cold, and sudden changes in temperature. In addition, the cabling must withstand strong jet water, various types of oil, vibrations, and shocks.



Phoenix Contact offers a complete portfolio of hand tools for cutting, stripping, crimping, screwing, and measuring for industrial use. Our hand tools are all about quality, precision, durability, and effectiveness.



The hand tools ensure a uniform quality of workmanship with specially hardened tool steels. If you use our tools consistently, you will benefit from ergonomically designed handles and special design features that reduce the amount of manual force required.



1000V AC & 1500V DC tests in accordance with En60900.

Ferrules certified in accordance with the UL standard (UL486F & DIN standard 44288-4) in combination with a selection of crimping tool and automatic crimping devices.

www.phoenixcontact.co.in

PLASTIC ABHIYANTA

Plastic Abhiyanta - Engineering Plastic Solutions for Heavy Industry With over five decades of expertise, Plastic Abhiyanta is India's leading manufacturer of engineering plastic components for the iron, steel, cement, power, and mining industries. Backed by four advanced manufacturing units, precision CNC-equipped tool rooms, and a skilled team of 250+ professionals, we offer high-performance solutions under our trusted Anulon range. From bushings, liners, and seals to membrane filter plates and wear components, our products are engineered using high-grade polymers like UHMWPE, Nylon, and PTFE-ensuring reliability in the most demanding environments. Known for our innovation, customization, and technical support, we are trusted by industry giants across India. Visit us at ISME Kolkata to explore how Plastic Abhiyanta is redefining polymer engineering.



At Plastic Abhiyanta, we take pride in offering a wide range of engineering nylon products designed to perform under demanding industrial conditions. Known for their high mechanical strength, wear resistance, and excellent machinability, our nylon components are ideal for applications in steel plants, automotive, material handling, and packaging industries. From nylon bushings, wear pads, and rollers to custom-machined profiles, we manufacture precision-engineered solutions tailored to our clients' requirements. Our Anulon range of nylons provides low friction, self-lubrication, and high impact resistance, making it a reliable alternative to metal. Backed by decades of expertise, Plastic Abhiyanta continues to lead in innovative nylon engineering solutions.



Continuing our commitment to high-performance polymer solutions, Plastic Abhiyanta also offers polymer liners for hoppers and chutes, designed to handle abrasive, sticky, or high-volume material flow in industries like steel, cement, mining, and power. We manufacture liners using premium materials

such as UHMWPE (Ultra High Molecular Weight Polyethylene), HMHDPE (High Molecular High-Density Polyethylene), and other wear-resistant engineering plastics.

These liners significantly reduce material build-up, wear, and maintenance downtime, ensuring smooth, continuous flow and extending equipment life.

Plastic Abhiyanta caters to a wide range of applications across various departments in an iron and steel plant. From RMM (Raw Material Handling) to Sintering, Coke Oven, Blast Furnace, LD Converter, Continuous Casting (CCM), and CRM/PLTCM, we supply precision-engineered plastic components tailored to harsh environments. Our Anulon range includes bushings, seals, washers, liners, filter plates, wear strips, and custom profiles made from UHMWPE, Nylon, PTFE, and more. These products reduce wear, friction, and downtime while improving efficiency and safety. With in-house tooling, custom molding, and CNC machining, Plastic Abhiyanta delivers reliable, cost-effective polymer solutions plant-wide.

Innovation and on-site troubleshooting are at the core of our service approach. We work closely with plant engineers and maintenance teams to identify wear-prone, high-friction, or failure-prone areas, and offer custom-engineered polymer solutions that enhance performance and reduce downtime. Whether it's replacing traditional metal parts with Anulon-engineered plastics or redesigning components for better life and efficiency, our team is constantly innovating to solve real-time challenges. Our products help eliminate lubrication needs, resist corrosion, and absorb impact—making them ideal for tough environments. From concept to installation, Plastic Abhiyanta is your partner in plant-level problem solving and improvement.

Choosing Plastic Abhiyanta means choosing consistency, quality, and trust. Unlike many in the market, we use only high-grade, performance-verified polymers—each time, every time. Our Anulon range is formulated for superior wear resistance, strength, and chemical stability, ensuring longer service life even in the most demanding industrial conditions. What truly sets us apart is our dedicated technical service—we don't just supply parts; we understand the application, recommend better materials, and often help improve original designs. Backed by decades of experience and trusted by industry giants across steel, cement, and mining sectors, Plastic Abhiyanta delivers reliable solutions with unmatched customer support.

Plastic Abhiyanta proudly operates four state-of-the-art manufacturing facilities equipped with modern tool rooms, advanced CNC machining, and precision molding capabilities. Our infrastructure is designed to deliver high-quality, high-accuracy components tailored to diverse industrial needs. We work exclusively with the best-in-class raw materials, ensuring every product meets stringent performance standards. With a skilled team of over 250 professionals, including engineers, machinists, and polymer experts, we handle complex challenges with speed and efficiency. This robust capacity, combined with decades of experience, has made Plastic Abhiyanta India's largest and most trusted name in the engineering plastics space, serving top industries across the country.

www.anulon.com

PNEUMATIC POWER TOOLS & CO.

PNEUMATIC POWER TOOLS & CO. is an ISO 9001:2015 certified indigenous manufacturer and exporter, proudly marking 50 years of excellence since its establishment in 1975. Headquartered in Kolkata, West Bengal, the company operates five manufacturing units in Kolkata, West Bengal



and employs approximately 150 highly skilled professionals. With a strong domestic presence across India, we also export our products to international markets, including Europe, the United States, Canada, Australia, and countries in the Middle East and Asia etc. Our commitment to quality, innovation, and customer satisfaction continues to drive our growth on the global stage.

Products: Pneumatic, Battery & Manual operated Strapping Tool, Hydraulic & Battery Operated Rod Cutter, Hydraulic Bar Straighteners, Hydraulic Upset Testing machine, Wire Coil Wrapping Machine, Machined Component etc.

PNEUMATIC OPERATED STRAPPING TOOL

- Pneumatic Combination Tool
- Model No.: CS-114S2
- Make-PPT
- Strap thickness – 0.79 mm – 0.89 mm / 0.031" – 0.035"
- Strap width – 31.75 mm / 114/ "
- Operating Air pressure – 6.0 – 6.5 kg/cm²
- Tension Achievable – 7,100 N / 1600 lb
- Grade - High Tensile, Painted and Waxed Strap



Note: This Tool Perform Tensioning sealing & Cutting in one Operation.

BATTERY OPERATED STRAPPING TOOL

A) Battery Operated Tensioner

- Model No. PTB-2025
- Make-PPT
- Strap thickness – 0.8 - 1.2 mm / 0.031" – 0.047"
- Strap width – 31.75 mm / 114/ "
- Grade - High Tensile, Painted and Waxed Strap
- Max Tension Achievable - ≤ 6 KN
- Battery - Lithium Batteries 4.0 Ah 18 V (BOSCH MAKE)
- NET Weight - 4.8 kg / 10.58 lb (approx.)



B) Battery Operated Sealer

- Model No. PSB-2025
- Make-PPT
- Strap thickness – 0.8 - 1.2 mm / 0.031" – 0.047"
- Strap width – 31.75 mm / 114/ "
- Grade - High Tensile, Painted and Waxed Strap
- Battery - Lithium Batteries 4.0 Ah 18 V (BOSCH MAKE)
- NET Weight – 3.1 kg / 6.8 lb (approx.)



MANUAL STRAPPING TOOL

A) Compact feed wheel Pusher Type Manual Tensioner

- Model No.: PFT-114
- Make – PPT
- Strap thickness – 0.64 mm – 0.89 mm / 0.025" - 0.035"
- Strap width – 19.5 mm – 31.75 mm / 34" - 114/ "
- Grade - High Tensile, Painted and Waxed Strap
- NET Weight – 4.4 kg / 9.7 lb (approx.)



B) Manual Sealer

- Model No.: SMDR-32
- Make – PPT
- Strap thickness – 0.79 mm – 0.89 mm / 0.031" – 0.035"
- Strap width – 31.75 mm / 114/ "
- Grade - High Tensile, Painted and Waxed Strap
- Joint Type: Double Notch Reverse type (Up Cut) Side action.
- NET Weight – 4.5 kg / 9.9 lb (approx.)



HYDRAULIC ROD CUTTER

- Model No.: HRC- 50S
- Make- PPT
- Cutting range – Up to 50mm dia.
- Force – 141390 kgf. @ 450 bar Working pressure.
- Tensile Strength for Rod Dia. 50 mm – 110 kg/mm²



BATTERY OPERATED REBAR CUTTER

- Model No.: HRCF-20
- Make- PPT
- Cutting Range – Rod dia. 4-20 mm
- Cutting Speed - 5-6 s
- Reinforcement Hardness - 40CR-A3
- Hydraulic Oil - ISOVG46
- Battery - DC 18 V 4.0 Ah (BOSCH MAKE)
- NET Weight : 8 kg



HYDRAULIC BAR STRAIGHTENER

- Model no.: HBS-40
- Make – PPT
- Capacity: Rod Size 0.5 to 40mm dia.
- Heavy duty high efficiency Power Pack unit used.



Note: Unique design of Die and punch, special steel used for longer life

HYDRAULIC UPSET TESTING MACHINE

Hydraulic Cold Upset Press

- Model No.: PHUP-30
- Make - PPT
- Load: 400 Ton /500 Ton
- Material Tensile Strength: Up to 200BHN (Max.)
- Reduction in Length: 80% (Max.)
- First and Free Approach Speed: 15 to 20 mm/sec.
- Pressing Speed: 4mm/sec. (Approx.)
- Return Speed: 20 to 30mm/sec.
- Stroke Length: 90-100mm.
- Working Pressure: 315Bar.
- Cylinder: Double Acting system.
- Cylinder Assembly: Will be mounted on the top of the Press.
- Pump: Radial piston pump. / Vane Pump.
- Valve System: Operated by Sol. Controlled D.C. Valve.
- Hydraulic Oil Grade: Servo 68 or Equivalent.
- Operated by: Electrical Controller System.
- Method of Operation: Semi-Automatic Electromechanical Control System.



WIRE COIL WRAPPING MACHINE

Vertical Wire Coil Wrapping Machine

- Model No.: CMW-1000V
- Make – PPT
- INNER DIA - 450mm to 800 mm / 17.71" to 31.49" (Minimum to Maximum)
- OUTER DIA - 750mm to 1000 mm/ 29.52" to 39.37" (Minimum to Maximum)
- WIDTH - 100mm to 500 mm/ 3.93" to 19.68"
- COIL WEIGHT - 100-500 Kg/ 220.46-1102.31 lb.
- CUTTER - HSS Material make cutter.
- ROLLER - PU Roller fitted with Bearings.
- CONTROL SYSTEM - Compact Electrical Control Panel "Fitted with VVVF Drive, Overload Relay, MCB, Indicator, ON-OFF Switch, Transformer".
- Machine Needed Power: 3 Phase + Neutral + Earthling (415 V, AC 50 Hz)
- Number of Motor - 3 Nos.
- Motor Power: Motor 1 – 3 HP Motor 2 - 3 HP Motor 3 – 5 HP
- Total Motor Power - 11 H.P



MACHINE COMPONENT

Finished Machine Component as per customer Bulk requirement.



CONTACT:

Email: ashishbhattacharya@strappingtoolppt.com

Website: www.strappingtoolppt.com

POLYFIL

Polycoat Products is a leading manufacturer of customized, high performance Polyurethane coatings and Elastomers for over three decades. Our strong leadership, pioneering technology and innovation has resulted in many of the patented coating applications you see in the market.

At Polycoat, we provide our costumers with high quality tire-fill products and equipment. The chemistry of our products are two-component, reliable and deconomical liquid polyurethanes.

Poly-Fil™ was developed for converting air filled tires into a urethane solid filled tire maximizing vehicle operating efficiency and minimizing downtime associated with flat tires. Poly-Fil™ virtually eliminates flats, blowouts, and tire damage caused by improper daily maintenance which is required by standard air-filled tires. Poly-Fil™ filled tires will also never need to be filled with air and will never be under-inflated, thus maximizing wear and tire performance in a wide range of conditions.



www.polyfil.com

POWER BUILD PVT. LTD.

Powerbuild Pvt. Ltd. has been trusted by industries since 1972 for its strong and reliable geared motors, gearboxes, and drive assemblies. With years of experience and continuous focus on technology, PBL has built a reputation for delivering quality products that perform well in tough industrial conditions. Today, more than 2 million+ units are running in India and around the world.



Based in Vallabh Vidyanagar, Gujarat, Powerbuild Pvt. Ltd. has a modern manufacturing setup with high-end machines, in-house heat treatment, and custom engineering support.

Known by its brand Radicon PowerBuild, the company offers a wide range of products that are built to last and provide great value. Whether it's a standard solution or something custom-made, PBL makes sure every product delivers on quality, performance, and dependability.

SERIES M - HELICAL INLINE GEARED MOTOR

The Series M is a compact, powerful, and highly efficient geared motor designed for a wide range of industrial uses. It's known for smooth performance, high torque, and long-lasting reliability. With multiple input and mounting options, it easily fits into different setups.



SERIES C - RIGHT-ANGLED HELI-WORM GEARED MOTOR

The Series C offers a right-angle drive with excellent efficiency. It's a great choice for space-saving installations and comes with solid or hollow shaft options. Strong, low-noise, and easy to mount, it's widely used in conveyors, mixers, and packaging machines.



SERIES F - PARALLEL SHAFT MOUNTED GEARED MOTOR

Series F is made for heavy-duty work like conveyors and cranes. With a parallel shaft design and built-in torque arm, it's easy to install and delivers solid performance. It's strong, durable, and offers flexible mounting options for different setups.



SERIES K - RIGHT ANGLE HELICAL BEVEL GEARED MOTOR

Series K is a tough, high-torque gearbox built for demanding jobs in industries

like mining, cement, and power. Its right-angle design, high efficiency, and multiple mounting choices make it a smart and reliable solution for heavy applications.

PBWR SERIES - ALUMINIUM WORM GEARBOX

Power Build Pvt Ltd introduces the PBWR Series, a universal mounting worm gearbox built for performance and reliability. Available in sizes 025 to 150 with ratios from 7.5 to 100, it's ideal for various applications. Models 030 to 090 use high-grade die-cast aluminium, while 110 to 150 feature robust cast iron. Gearboxes up to size 75 are filled with synthetic oil, and larger sizes come with mineral oil. With accessories like torque arms, output flanges, and solid shafts, the PBWR Series offers flexibility, durability, and easy integration into your systems.



SERIES H - HOIST GEARED MOTOR

Power Build Pvt Ltd offers the Series H Hoist Geared Motor, designed especially for lifting and material handling applications. Available as a geared motor or motor-mount reducer for IEC motors, it supports face or foot mounting with an external spline output shaft. Compatible with various motor types-standard, brake, crane-duty, or a combination—it ensures smooth and reliable lifting. Accessories include a driving flange, shaft-mounted brake, brake fitting provision on the gearbox, and a double oil seal option. Series H is built for performance, safety, and durability in hoisting operations.



www.powerbuild.in

PR CRANE AND EARTHMOVERS

At PRCE, we are leading manufacturers of on-site machining equipment, specializing in line boring solutions for a wide range of industries. With deep technical expertise and a commitment to innovation, we deliver high-performance products and exceptional service tailored to our clients' needs.



Guided by our "Service First" philosophy, we focus on customer satisfaction through reliable support, timely delivery, and quality workmanship. Our equipment is trusted for on-site precision, durability, and ease of use in demanding environments.

We proudly serve a growing base of over 1,000 domestic and international customers and have successfully exported our machines to multiple countries worldwide.

PRCE operates from two key locations in India—our Head Office in Udaipur and a Branch Office in Bangalore—enabling efficient service and support across the country and beyond.

The **Intelligent Line Boring Machine (40mm–300mm)** is a portable, easy-to-use solution for on-site repair of heavy construction equipment. Ideal for components like buckets, booms, sticks, noses, and loader arms, it offers fast setup and precise performance. This versatile machine supports machining, auto welding, sector welding, and jump welding, making it perfect for restoring worn bores and pin holes. Designed for field use, it reduces downtime and ensures accurate, professional results in demanding environments.



The **Intelligent Line Boring Machine (80mm–600mm)** is a portable, high-precision tool designed for industrial on-site repair and maintenance. Ideal for use in stone crushers, sugar mills, cement plants, power plants, and other heavy industries, it is easy to install and operate, even in challenging

environments. This versatile machine offers multiple functions, including machining, auto welding, sector welding, and jump welding, making it a comprehensive solution for restoring worn bores and critical components with accuracy and efficiency.



The **Outer Shaft OD Repair Machine** is a compact, portable solution for repairing the outer diameter of shafts and pins across a wide range of industries. Ideal for on-site restoration of dozer and loader pins, as well as various industrial shafts, this machine is built for efficiency and precision. It offers three core functions: machining, welding, and threading, making it a versatile tool for maintenance and repair operations. Designed for ease of use and reliable performance, it minimizes downtime while delivering high-quality results in field or workshop settings.



The **Hydraulic Track Link Press** is a portable, high-efficiency tool designed for on-site removal and installation of track link pins and bushes. It allows for precise pin extraction and bushing installation without the need for hammering, ensuring safer and more accurate results. Ideal for



Our Valuable Clients

TOP CLIENTS

JCB DEALERS, TATA HITACHI DEALERS, HYUNDAI DEALERS, VOLVO DEALERS, Epiroc DEALERS, SANY equipcare, HD (HYUNDAI) CONSTRUCTION EQUIPMENT, HIC VALVES PVT. LTD., NMDC, ADITHI BILSA, RELIANCE Power.

Head Office
P/2, B Block, Transport Nagar,
Bokhla Bypass, Udaipur, Rajasthan
(313002)
M: +91-9678834838 | +91-9414132477

Branch Office
25/2, 4th Block, 2nd Main,
Gokulapalya, Thargupurhalla,
Bangalore, Karnataka 560022
M: +91-8861328508

Our Valuable Clients

CONSTRUCTION

GRIFF, SNC, SHANKARANARAYANA CONSTRUCTION PVT LTD, KAGCPL, UNION, AFCONS, ARCONS, SKI, NARAYAN SONS, INDIA PRIVATE LIMITED, LSC REPAIRS PVT. LTD., Maheshwari.

MINING

KCC, LSC, HPI, DELITE.

OTHER INDUSTRIES

UNITED, SURYAWANSHI, HPI, DELITE.

1000+ DOMESTIC & INTERNATIONAL CUSTOMER BASE

construction and earthmoving equipment maintenance, this machine significantly reduces downtime, labour dependency, and physical effort, making it an essential tool for field repairs and workshop operations.

www.heavybucket.in

PRABHU INDUSTRIAL UDYOG PVT. LTD.

Established in 1986 and headquartered in Kolkata, Prabhu Industrial Udyog Pvt Ltd has emerged as a trusted name in the field of FLP & NFLP electrical switchgear manufacturing. With decades of mining & industry experience and technical expertise, the company specialises in the design and manufacturing of Flameproof (FLP) and Non-Flameproof (NFLP) VCB, TSU, GEB, USS, Field Switch. We consistently strive to introduce new products that meet evolving industry requirements, while ensuring our existing offerings meet the highest quality and safety standards and our 2.5MVA FLP Load centre and 12kV, 1250A, 26.3kA VCB are a testament to it. We are proud to serve Coal India & its subsidiaries, as well as various other prominent clients across the mining & utility sectors. Out of several reasons to choose "PRABHU" as the first choice for electrical switchgears some include over 35 years of industry experience, continuous innovation in product development, commitment to complete customer satisfaction.



FLP TRANSWITCH UNIT WITH LOADCENTRE - Designed for safety and distribution of power to machines for varied application in mining such as CM, Shuttle Car, Roof Bolter, Feeder Breaker etc.

(Integrated Motor Control)

- Primary Voltage up to 6.6kv
- Secondary Voltage 550V & 1.1kv
- Rated KVA Up to 2500KVA
- This is a flameproof Tran switch unit capable of running a mechanized project (with up to 12 +2 power drives and several outlets for lighting etc. on the secondary side of the Load Centre).
- This Tran switch is suitable for use in underground gaseous mines of Group I.
- The transformer tank is Corrugated rectangular in design to provide maximum cooling efficiency, with no water ingress condensate value.
- It is possible to mount the entire assembly on skids.
- There is provision for tap changing from a flameproof top cover for the Purpose without any necessity to infracton cover.
- The complete unit will be skid mounted
- The Load Centre is divided into 3 parts,
- Primary Enclosure, Transformer Tank &
- Secondary Enclosure (Load centre)



FLP TRANSWITCH UNIT- Designed for safety and distribution of power to machines for varied application in mining.

- Range upto 1000KVA, 6.6KV
- Secondary side upto 1140Volts
- Incoming with VCB, intermediate with transformer and outgoing with MCCB.
- Supply upto 2 machines.
- Accurate monitoring, control and protection.
- High short circuit breaking capacity
- Compact size providing economy of space and cost.
- Distinguished and sleek design



FLP VACUUM CIRCUIT BREAKER PANEL – Design for Breaking high current at high system voltage.

- Breaker upto 630Amps, 6.6KV Glass Windows on the Top Chamber for reading measurement.
- Push Button for Electrical Closing and Mechanical trip, Lifting Lugs and Shackles provided Connected upto one machine or as a Multi panel with through going side.
- Cable Sealing Box or Plug & Socket in incoming/ through going as per customer choice.



NFLP FIELD SWITCH – Manufactured for effectively distributing power for various loads like drill machines, shovels, pumps etc suitable for dust laden and humid atmosphere.

- Range upto 11KV, 1250A
- Two cubicles or three cubicles
- Outgoing Plug & Socket
- Off- Load Isolator or On Load Switch
- Castle type Interlock
- Hinged type door with wire mesh.
- Lifting hooks and skid base for transportation
- Outdoor Type



VACUUM CONTACTOR – Designed for convenience, Safety and reliability

- Range upto 7.2KV, 400A ps.
- AC-4 Duty Contactor
- 1 million mechanical and electrical life
- Operation
- Type Tested
- Compact Design and Light weight
- Excellent dielectric recovery allowing high
- Switching frequency



- Pilot Control fitted on board
- Chopping Current Low
- High interrupting ability
- Magnetically held mechanism
- Economised DC Coil Operation
- Minimal Maintenance required

11KV VACUUM CIRCUIT BREAKER PANEL- Manufactured with the objective of breaking high current at high system voltage fitted with various protections for safety of personnel and machines.

- Range upto 12KV, 1250Amps, 26.3kA Type tested panel
- Trip free operating mechanism
- Fixed Type or drawout type Breaker
- Can be connected upto one machine or Multiple
- Panels can be inter trunked for multiple outgoing.



www.prabhuelectricals.in

PRIMA EQUIPMENT, INDIA

PRIMA EQUIPMENT is a trusted designer, manufacturer, and exporter of advanced Pollution, Safety, and Environmental Monitoring Equipment, proudly serving Indian and global markets for over 32 years.



We offer a wide range of innovative solutions including QAL1 tested CEMS, CAAQMS, VOC analysers, flue gas analysers, portable & fixed gas detectors, toxic gas analysers, and indoor air quality systems.

With a strong focus on in-house R&D, CE/TUV-certified products, and application-based customization, we ensure high reliability and performance across diverse industrial environments.

With over 6400+ successful projects and a presence in 32+ Indian states and 6+ countries, PRIMA is committed to providing prompt after-sales service, expert technical support, and continuous innovation.

At PRIMA, we are concerned about the most cherished dream in the world – LIFE.

Our vision is to create a cleaner, safer, and more sustainable world through technology-driven environmental and workplace safety solutions.

For News & Updates, please visit <https://linktr.ee/prima.sales>

CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) FOR GAS

The PSGM-1-D-AGS is a QAL1-tested Continuous Emission Monitoring System (CEMS) and the world's only Indian product fully designed, developed, and manufactured in India.

It provides real-time, accurate monitoring of gases such as SO₂, NO_x, CO, HC, and other process-specific emissions.

Engineered to meet international standards, the system delivers reliable, continuous data to ensure regulatory compliance.

With advanced sensors and automated operation, the PSGM-1-D-AGS enables industries to monitor emissions effectively across a wide range of applications-supporting transparency, accountability, and environmental sustainability without interfering with the process & provide accurate feedback to emission control systems.



CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) FOR DUST

The PE-SPMMS-C91 is a high-precision Particulate Matter Monitoring System designed for continuous and real-time monitoring of dust emissions from industrial stacks.

It provides accurate and consistent data, critical for regulatory compliance.



Built to withstand harsh industrial environments, it ensures long-term, stable performance with minimal maintenance.

Its robust design and high sensitivity make it ideal for use in cement plants, thermal power stations, steel industries, and other dust-generating operations.

The PE-SPMMS-C91 supports industries in tracking particulate emissions effectively, promoting cleaner emissions and sustainable environmental practices.

CONTINUOUS AMBIENT AIR QUALITY MONITORING SYSTEM

The CAAQMS is designed for outdoor industrial applications to continuously monitor ambient air quality.

It measures over 18 critical parameters, including SO₂, NO_x, O₃, CO, CO₂, VOCs, BTEX, PM₁₀, PM_{2.5}, PM₁, odour, temperature, humidity, and pressure.

Equipped with advanced air samplers and sensors, CAAQMS provides accurate, real-time data on pollutant levels around industrial sites.

This system supports regulatory compliance and helps industries identify pollution trends, enabling timely corrective actions to minimize environmental impact and protect public health effectively.

PERSONAL SAFETY GAS DETECTORS

The PGD-X (single-gas) and PGD Max (multi-gas) detectors are essential for ensuring health and safety in industrial work environments.

Designed with cutting-edge technology, our portable gas detectors provides immediate and reliable alerts on detection of hazardous, toxic, combustible or oxygen gas or Volatile Organic Compound, ensuring protection for your facility and personnel.

With its robust construction, user-friendly interface, seamless integration and connection capabilities, PGD-X & PGD MAX delivers reliable performance and peace of mind.

Key gases detected include O₂, CL₂, HCL, VOCs, combustible gases, SO₂, HCN, COCL₂, NH₃, HF, HC, H₂, H₂S, and more.

FLUE GAS MONITOR

The FGM Model, is ideal for combustion efficiency monitoring in boilers, furnaces, heaters, and kilns.

It accurately measures O₂, CO, CO₂, flue/ambient temperature, excess air, and net/gross efficiency, helping to optimise fuel consumption and reduce emissions.

Optional gases include SO₂, NO, NO₂, and HC.

The microprocessor-based system features auto/manual sampling, built-in data logging, fuel-based efficiency calculations (standard & custom), and a rugged gas-temp probe with filter and cooler.

Auto oxygen calibration and report generation enhance convenience. Battery-powered and user-friendly, FGM ensures reliable, real-time combustion analysis.

www.primaequipment.com

■ PROMAC ENGINEERING INDUSTRIES LTD.

Promac Engineering Industries Limited is an EPC major, active in the Cement, Power, Steel, and Mineral Processing Sectors. We provide turnkey design, engineering and manufacturing solutions for the Heavy Engineering Process Plants and Bulk Material Handling Systems. Promac was established in the year 1972 in Bengaluru, India and is equipped with a state of the art integrated manufacturing facility, spread across, 50,000 sq.mtrs in Bengaluru and is an ISO 9001-2015 Certified Company (www.promacindia.com).

promac
ENGINEERING INDUSTRIES LIMITED

For over three decades Promac has had a Technical Collaboration with M/s. Taiheiyō Engineering Corporation, Japan for Cement Plants upto 2 MTPA capacity.

Promac provides customized solutions for manufacture of Limestone Calcined Clay Cement (LC3) in association with M/s.TARA Applied Research Centre, New Delhi which will help to reduce CO₂ emissions during the manufacture of cement (www.devault.org).

In the Power and Mining segment Promac has an active Collaboration and Technical tie up with M/s.Famak S.A, Poland for the Stacker-Cum-Reclaimers, Wagon Tipplers (as per G33 Rev-1), Paddle Feeders, Spreaders, Bucket Wheel Excavators, etc.



WAGON TIPPLER AND
SIDE ARM CHARGER



STACKER-CUM-RECLAIMER



BULK MATERIAL FEEDER



CEMENT MILL



VERTICAL
ROLLER MILL

www.promacindia.com

■ PSPN AUTOMATION

We are a 12 years old Process Control and Automation Distributor, specialising in Factory Automation, design & manufacturing of controls systems & panels systems & field instruments/ sensors based Process Solutions.

We have long standing Partnership with Brands like Eurotherm, Watlow, UWT and General make Elements and Gauges.



We have been building our expertise over the years for Industries like Heat Treatment, Steel & Metal, Glass, Chemical, Food & Beverages, Power, Refineries and Oil & Gas. We focus on sustaining our customers by providing accurate and cost-effective products with multiple features, Security & advanced technologies.

Our interactive Marketing, Engineering and Process Expert team supports the customers to get a maximum value on investments and understand process requirements and complexities, to design the solutions to handle such complexities through mathematical modelling. We have the technical knowledge and project management capabilities to create, plan, and implement feasible Control & Process Monitoring solutions for Industrial applications.

We are a MSME registered Organisation, who have an added advantage of CRISIL verified Business Process. With Instrumentation & Electrical Process controls becoming intelligent and the coming of IoT, there are unprecedented possibilities in enhancing quality management to the benefit of Industrial consumers.

Our Vision/Mission:

- To stay at the forefront of technology & Process Solution in all our areas of endeavour.
- To focus on Customer feedback to improve our products and create more value for our customers.
- To never compromise on quality for price, even at the risk of losing

business.

- To always put our customers and our partners above everything else.
- To strive to become the best player in all our areas of business.

We are registered Vendor with IOCL, ONGC, OIL, NTPC, Ordinance Factory Board, SAIL, NSPCL, JSPL, LINDE, ITC, TATA Steel and various other renowned Industrial manufacturers. We have executed several Projects with above mentioned Organisation and successfully implemented various challenging Process Control & Automation Solution.

EUROTHERM

PID CONTROLLERS, INDICATORS AND ALARM UNITS

- Single Loop Controllers
 - piccolo™ Series, P104, P108 & P116
 - 3000 Series, 3204, 3208, 32h8 & 3216
 - EPC3000 Series, EPC3004, EPC3008 & EPC3016
- Modular DIN Mount Controller
 - EPC2000
- Advanced and Multi Loop Controller
 - nanodac™
 - 3000 Series, 3504 & 3508
 - 2000 Series, 2604 & 2704
 - Mini8™
- Indicators and Alarm Units
 - 3000 Series, 3204i, 32h8i & 3216i
 - 2000 Series, 2408i
- Melt Pressure Controller
 - piccolo™, P304C
- Melt Pressure Indicator
 - piccolo™, P304I
- Software
 - Configuration software, iTools
 - Data Viewing/Reporting, Data Reviewer



RECORDERS AND DATA MANAGEMENT

- Paperless Graphic Recorders
 - 6100A, 6180A, 6100XIO, 6180XIO, 6180AeroDAQ & 6100E
- Portable TUS Recorders
 - 6100A & 6180A
- Recorder / Controller
 - Nanodac™
- Scalable Recorder
 - Versadac™
- Software
 - 6000 Series software, Bridge
 - Data Viewing/Reporting, Data Reviewer



SOLID STATE RELAYS (SSRS) AND SIMPLE THYRISTOR CONTROLLER

- Panel Mount Solid State Relays
 - ZELIO™ SSP1 & ZELIO™ SSP3
- DIN Rail Solid State Relays
 - ZELIO™ SSM1 & ZELIO™ SSM3
- Simple Thyristor Controller
 - Eswitch



POWER CONTROL

- Single Phase
 - Efit™
- Single & Multi Phase
 - EPack™ Lite & EPack™



- Multi Channel
 - Epower™
- Software
 - Configuration software, iTools

MACHINE CONTROL AND PROCESS AUTOMATION

- Programmable Automation Controllers
 - Visual Supervisor, Eycon™ 10 & Eycon™ 20
 - PAC, T2750 T2550
- Programmable Logic Controllers
 - Compact PLC, E+PLC100
 - Modular PLC, E+PLC400
- Software
 - Combination PLC software, CODESYS®



EUROTHERM SYSTEM SOFTWARE

- Configuration tools
 - Project Studio / Developer
- Visualization Packages
 - Process Viewer & Operation Server and Viewer
- Data Reporting
 - Information Manager, Wonderware Historian client & Dream Report™
- Network support
 - OPC Servers and I/O Drivers
- Applications
 - Security Manager & Eurotherm Control and Application Modules



PROBES

- In-Situ Carbon Probe AP1, ACP Carbon Probe & Air Reference Panel

WATLOW

RTDS THERMOCOUPLES HEATERS

- Resistance temperature detectors (RTDs)
- Thermocouples
- Industrial heaters



GEFRAN

LOAD CELLS

Load cells (Compression, Shear, Traction / Compression, Deflection), Sensormate load cells.



PRESSURE TRANSMITTER

- Pressure transmitter Flush Diaphragm
- Pressure transmitter Standard Diaphragm Sill 2
- Pressure transmitter Standard
- Pressure transmitter for application in Hazardous Areas



MELT PRESSURE SENSOR

- Melt Pressure Sensor (Fluid Free (I Series), Oil-filled (W Series),
- Mercury filled (M Series), Sodium-Potassium filled (K Series)



TRANSDUCER CONTACTLESS MAGNETOSTRICTIVE

- Transducer Contactless Magnetostrictive Rod Design
- Transducer Contactless Magnetostrictive Profile Design
- Position Transducer Potentiometers Long stroke
- Position Transducer Potentiometers Short stroke
- Position Transducer Potentiometers Rotaries
- Position Transducer Potentiometers Magnetic Drag



- Position Transducer Potentiometers Exposed Tracks

INDICATOR

FORCE, PRESSURE and DISPLACEMENT TRANSDUCERS INDICATOR with INPUT for STRAIN-GAUGE or POTENTIOMETER - ALARM UNITS Main applications.



INCLINOMETER/ TILT SENSOR WIRE POSITION SENSOR / ROTARY SENSOR

- General single/dual axis inclinometer (xy/360°)
- Wire position transducer (wire potentiometer)
- Hall-effect wire position transducer (contactless)
- Orifice



FLOW METER TRANSMITTER

- Ventury flow meter
- Ultrasonic flow meter
- Coriolis flow meter
- Oval wheel flow meter
- Positive displacement flow meter
- Electromagnetic flow meter
- Pressure transmitter
- Differential pressure transmitter



www.pspnautomation.in

REACTORE

Reactore, founded in 2013 in Cape Town, South Africa, has emerged as a global leader in bespoke digitalisation solutions, with a strong focus on transforming the mining sector. At the core of our offering is MineOne®, a comprehensive end-to-end platform that optimises both surface and underground operations, from pit-to-port.

MineOne® seamlessly integrates with existing systems to automate workflows, enhance safety, reduce downtime, and boost productivity across the mining value chain. With advanced capabilities like 3D digital twins, map-based dashboards, real-time operational visualisations, and offline data sync, it enables precise planning and agile decision-making.

MineOne® is powered by Devum®, Reactore's ISO 27001:2022-certified low-code development platform, which incorporates AI/ML to enable predictive analytics and intelligent automation. Reactore empowers mining enterprises to turn complex data into actionable insights, supporting everything from strategic planning to on-the-ground control. With innovation at its core, Reactore is redefining the future of mining through data-driven digital transformation.

MineOne® | www.Reactore.com/MineOne

With mining research at its core, MineOne® is a next-generation, end-to-end modular platform optimising surface and underground mining operations from pit to port. Seamlessly integrating with existing systems, MineOne® centralises operational data from various departments and legacy systems into a single platform, enabling end-to-end visibility, enhanced safety, minimised downtimes, improved collaboration, and faster decision-making. One of MineOne®'s standout capabilities is its support for 3D digital twin visualisations, allowing users to monitor and interact with live operational data overlaid on accurate mine and plant environment models. It also features map-based dashboards and geo-spatial tracking to provide real-time situational awareness across open-pit and underground operations. The platform supports offline data capture, ensuring field operators and

REACTORE
Innovative Software Digitalisation Solutions



supervisors can work seamlessly even in remote or connectivity-challenged environments. MineOne® includes powerful workflow automation tools to streamline daily operations, inspections, shift handovers, and compliance processes – reducing manual errors and improving accountability. With built-in regulatory compliance-based customisable reports, and role-based access control, MineOne® ensures that safety, environmental, and reporting obligations are met across multiple jurisdictions. The platform is designed to be flexible and modular, allowing mining companies to digitalise at their own pace while integrating with existing ERP, mine planning and third-party tools. MineOne® transforms mining operations from siloed and paper-based to data-driven and connected – unlocking operational efficiency, safety, and long-term sustainability in an increasingly competitive and regulated industry.

Devum® | www.Devum.com

Devum® is an enterprise-grade generative AI-powered low-code application platform to help organisations rapidly digitalise complex operations and deliver scalable web and mobile applications. It empowers both professional developers and non-software developers – such as business analysts, operations managers, or subject matter experts – to build, deploy, and manage sophisticated applications through an intuitive graphical user interface (GUI).

This makes Devum® a true one-stop platform for digital solution delivery, offering the ease of a drag-and-drop builder with the depth and flexibility of professionally developed software. Devum® stands out with advanced capabilities such as 3D digital twins for real-time operational visualisation, map-based dashboards that provide geospatial insights by integrating GIS and live data, and offline functionality that ensures reliability in remote or low-connectivity environments. Its visual workflow automation allows users to streamline complex business processes such as inspections, approvals, and maintenance with ease. Devum® also integrates seamlessly with legacy systems, ERP platforms, and modern APIs, enabling it to act as the glue that binds digital transformation initiatives together. With built-in governance features like role-based access, audit trails, and deployment controls, Devum® ensures enterprise-grade security and compliance. Whether you're modernising legacy systems or launching entirely new apps, Devum® delivers all the building blocks for a bespoke digital transformation solution – driving tangible ROI with speed, control, and scalability. Its visual workflow automation allows users to streamline complex business processes such as inspections, approvals, and maintenance with ease. Devum® also integrates seamlessly with legacy systems, ERP platforms, and modern APIs, enabling it to act as the glue that binds digital transformation initiatives together. With built-in governance features like role-based access, audit trails, and deployment controls, Devum® ensures enterprise-grade security and compliance. Whether you're modernising legacy systems or launching entirely new apps, Devum® delivers all the building blocks for a bespoke digital transformation solution – driving tangible ROI with speed, control, and scalability.

www.reactore.com

RETRACK AUTOMATION PVT. LTD.

Founded in 2021, Retrack Automations Pvt Ltd provides RFID-based fuel management solutions, ensuring automation, security, and efficiency in fuel dispensing. Our RFID-enabled dispensers, wireless transmitters, FCC controllers, and cloud-based software help businesses track fuel usage, prevent pilferage, and optimize operations.



We are incubated at IIIT Bangalore and received a ₹50 lakh grant from the Central Government for our innovation. Our solutions have saved over 10 lakh litres of diesel, authorized 2,000+ vehicles daily, captured 5 lakh+ fuel transactions, and saved 10,000+ man-hours through automation.

Serving mining, construction, ports, logistics, and manufacturing, we offer real-time monitoring, automated authentication, and remote access, ensuring transparency and accountability. Our mission is to enhance fuel efficiency, reduce costs, and expand our reach across India, providing cutting-edge, reliable, and scalable solutions for businesses seeking smarter fuel management.

Wireless RFID Transmitter is a compact, high-performance device designed for seamless fuel management. It enables real-time, secure

communication between fuel dispensers and RFID-enabled vehicles, ensuring automated, accurate fueling without manual intervention. The transmitter operates on a secure wireless protocol, eliminating the need for extensive wiring, making it ideal for mobile and stationary fuel stations. With robust encryption and fast data transmission, it enhances security, efficiency, and operational control. Designed for rugged environments like mining, construction, and logistics, our transmitter ensures seamless integration with existing fuel management systems, improving accountability and reducing fuel pilferage.



FCC Controller is a cutting-edge Fuel Control and Communication device designed to automate and optimize fuel dispensing. It ensures secure, real-time data exchange between fuel dispensers, RFID-enabled vehicles, and cloud-based monitoring systems. Featuring advanced RFID authentication, the FCC Controller prevents unauthorized fueling, enhances operational efficiency, and reduces fuel losses. With seamless integration capabilities, it supports wireless and wired communication, making it ideal for industries like mining, construction, and logistics. Its robust design ensures reliability in harsh environments, while cloud connectivity enables remote monitoring, real-time reporting, and automated transaction logging for complete fuel accountability and management.



RFID-Enabled Fuel Dispenser is a smart, automated fueling solution designed for accurate and secure fuel management. It integrates an RFID reader, FCC Controller, wireless transmitter, and cloud connectivity, ensuring only authorized vehicles and personnel can access fuel. The dispenser automates fuel transactions, eliminating manual errors and reducing pilferage. Real-time monitoring, transaction logging, and remote access enhance operational control. Built for industries like mining, construction, and logistics, it supports both fixed and mobile fuel stations. Its rugged design ensures durability in extreme conditions, while seamless integration with existing fuel management systems optimizes efficiency and accountability.



Fuel Management Software is a powerful, cloud-based platform designed for real-time monitoring, control, and optimization of fuel usage. It integrates seamlessly with RFID-enabled dispensers, FCC Controllers, and wireless transmitters to automate fuel transactions and prevent unauthorized access. The software provides detailed reports, live dashboards, and analytics to track consumption, detect anomalies, and enhance operational efficiency. With GPS tracking, automated alerts, and remote access, users can manage fuel distribution across multiple locations. Ideal for mining, construction, logistics, and industrial sectors, it ensures accurate data logging, reduces fuel wastage, and improves cost control for businesses.



www.retrackautomation.com

REVA INDUSTRIES INDIA PVT. LTD.

Reva Industries, founded in 1963 by Balraj Goel, began in a garage. From humble beginnings to 250-ton manufacturing. Overhead cranes are exciting and difficult. After a lot of hard effort, Reva became recognised for quality and timely delivery, winning accolades and being called TURNER Brothers.

Reva Industries' success is due to team's commitment. Their dedication to excellence and innovation has helped them succeed in the business.



Reva Industries, A leading crane manufacturer, specialize in designing, manufacturing, and servicing of high-quality Double Girder EOT Cranes up to 250T ; Single Girder EOT Cranes up to 25T ; Underslung Single Girder EOT

Cranes up to 25T ; Electric Wire Rope Hoists up to 50T ; Jib Cranes up to 10T ; Goliath Cranes up to 100T that are built to last and perform.



DOUBLE GIRDER EOT CRANE



SINGLE GIRDER EOT CRANE



ELECTRICAL & MANUAL HOIST



GOLIATH CRANE & GANTRY CRANE



JIB CRANE



WINCH & TRAVERSER



www.revacrane.com

RIMCO

We at RIMCO are the suppliers of Equipment for the Continuous Miner Package. Our product Range includes:



EQUIPMENT'S

- Continuous Miners and Shearers:** Eickhoff Bergbautechnik GmbH
- Shuttle Cars:** Phillips Global - USA and SA
- Roof Bolters:** MMS Bolting - SA
- Feeder Breakers:** ONTRAK -Australia
- Power Centers:** Exprotec -Poland & Hansen -Czech Republic
- LHDs:** Ventserve, SA

PARTS

- Filter Finder - Filters- UK
- THIELE GmbH & Co.KG- Mining Chains and Connectors- Germany
- Tiefenbach Control Systems GmbH- Valves and Controls - Germany
- DAMEL- FLP Electric Motors- Poland

Please feel free to reach out if you have any questions or require more details about our offerings.

www.rimcoindia.com

RINGFEDER POWER TRANSMISSION INDIA PVT. LTD.

RINGFEDER POWER TRANSMISSION is the global market leader in the niche markets of drive technology and is well regarded for its customer-specific, application-oriented solutions that ensure excellent and failure-free operation for its clients. We offer locking devices, couplings, bearing housings and damping technology for OEMs but also for the final customer under our strong brand name



RINGFEDER®.

We not only always provide our ambitious customers with competent advice based on almost 100 years of experience and expertise, but also realize need-based, application-oriented solutions with them that ensure safe, failure-free and economic machine and plant operation – with our aspiration to be Partner for Performance.

RINGFEDER® Locking Assemblies are friction-locked shaft-hub connections manufactured to the highest quality standards. They are suitable for the precise fastening of all types of hubs, e.g., toothed gears, running wheels and chain sprockets, levers, cam discs, belt and brake discs, slip-on gears, couplings, or flanges, on shafts and axles. Keyless RINGFEDER® Locking Assemblies are the superior alternative to conventional shrink-fits, wedge, keyway, or polygonal connections and offer outstanding concentricity and resistance to alternating torsion. Our locking assemblies are available to users in various standard designs and sizes as well as customised special solutions.



RINGFEDER® Shrink Discs are flange-shaped, friction-locked shaft-hub connections and the more powerful and reliable alternative to conventional shrink fits, wedge, keyway, or polygonal connections. RINGFEDER® Shrink Discs also convince through complete freedom from wear and maintenance, easy assembly and dismantling as well as outstanding resistance to alternating torsion and concentricity properties. Depending on customer-specific requirements, our shrink discs are available in proven standard and specially developed special variants, in two- and three-part designs as well as in stainless steel. In addition to torque and bending loads, axial and radial loads can also be transmitted.



RINGFEDER® Friction Springs are indispensable safety components in all technology and industry sectors where suddenly occurring forces have to be taken up and kinetic energy absorbed, or where damping systems are required with relatively compact dimensions while also being able to sustain enormous forces. They consist of precisely manufactured outer and inner rings which are assembled to complete spring columns according to the individual requirements of the user. These are 100 % tested and loaded several times before delivery, which guarantees absolute functional reliability – whether as proven standard or highly specific custom-made designs.



High-strength Elastomer Jaw Couplings of the proven RINGFEDER® TNB series – once TSCHAN® TNB – convince globally in the most demanding heavy-duty applications by superior durability and functionality – for maximum operational reliability of the machines and plants of their users. Accordingly, they are preferably used in steel, rolling mill and cement plants, in mining and construction machinery. RINGFEDER® TNB heavy duty couplings can be used in any direction of rotation and installation position and are available to users in a wide range of standard and special variants thanks to their modular design.



The enormously powerful and resilient Elastomer Jaw Couplings of the RINGFEDER® TNS series – formerly known as TSCHAN® TNS – are the preferred choice of leading plant manufacturers and operators, especially in the field of highly demanding heavy-duty applications. They compensate for angular, radial, and axial shaft misalignment within defined ranges. Elastomer Couplings of the RINGFEDER® TNS series, manufactured to the highest quality standards, are extremely service-friendly, can be plugged axially and are applicable in any installation position and direction of rotation. They are available to customers in a wide variety of proven standard and individual special designs.



The versatile and flexible RINGFEDER® Flange Couplings of the TNF series are used to reliably establish a backlash-free connection between two shafts by means of frictional locking. They are the more efficient and economical alternative to conventional press fits. RINGFEDER® Flange Couplings convince by high concentricity and the admissibility of large shaft tolerances. In addition to the highest torques, they also transmit occurring bending moments as well as axial and radial forces precisely and wear-



free. Typical applications include gearbox, engine, and plant construction as well as e.g., belt drives used in mining.

B-Flex couplings consist of a set of resilient BARREL Shaped bushes with pins & nuts and two flanged hubs of graded cast iron.

The special BARREL shaped bushes permit the MISALIGNMENT IN ALL DIRECTIONS and give extra torsional flexibility as compared to plain bushes. These couplings are suitable for general engineering application requiring reliable power transmission even under conditions of shaft misalignments which are often unavoidable.



The flexible capabilities of the Tyreflex Coupling help to accommodate angular, parallel and axial misalignments.



- Parallel Misalignment upto 6 mm.
- Angular Misalignment upto 4°
- End Float upto 8 mm
- Suitable in ambient temp. upto 70° C.

Grid-flex couplings are lubricated, having high torque capacity like gear couplings & with torsional flexibility of an Elastomer couplings.



Grid-flex offers the simplest, most cost effective solution for moderate to high torque application.

Disc-O-Flex couplings are fully metallic couplings, consisting of two hubs, one centre spacer member, two sets of stainless steel element blades bolted together with high tensile bolts.



Replacement of element blades is easy, simple and is possible without disturbing drive or driven equipment.

Type - RLM

- Normal duty coupling
- Suitable for general industrial applications

www.ringfeder.com

■ RINGSPANN POWER TRANSMISSION INDIA PVT. LTD.

RINGSPANN Power Transmission India Pvt. Ltd., **RINGSPANN®** a wholly owned subsidiary of RINGSPANN GmbH, was established in 2011. As the leading provider of power transmission products in India, we have built a robust network of sales representatives and dealers across the country.

Our core offerings include Freewheels used as Backstops and Clutches, a comprehensive range of Industrial Brakes, Locking Elements, multiple types of Couplings like Cardan shaft. With our strong technical and service team we also support customer for Retrofit and New Solutions.

Guided by our motto, "YOUR BENEFIT IS OUR MOTIVATION", we are committed to delivering a diverse portfolio of high-performance products and tailored solutions to meet the evolving needs of our customers.

Our success is driven by a strong focus on customer relationships, product quality, comprehensive solutions, technical training, wide assembly capabilities, and dedicated pre- and post-sales support. Backed by a skilled team in sales, technical support, and service, RINGSPANN India has become a trusted and preferred name in the power transmission industry.

To stay closer to our customers and respond faster, we continue to strengthen our direct sales and service teams, while also expanding our network of Business Associates across strategic locations. We conduct regular in-house and on-site training sessions to ensure efficient usage and maintenance of our products.

Additionally, we have partnered with local manufacturing firms to deliver specialized and customized solutions for select product categories. Our well-maintained inventory is aligned with customer demand patterns to ensure

prompt deliveries and swift response in case of breakdowns.

RINGSPANN India proudly serves customers across India, Bangladesh, and Nepal.

Rail Clamps- Fail safe brakes with integrated Hydraulic Power pack for protecting the equipment's from damages due to Storm.

Electrohydraulic Thruster Disc and Drum brakes with automatic wear adjustment feature to ensure reliable performance.

Cardan Shafts are designed to transmit high torque in demanding application like Rolling mills. Engineered for reliability and durability, these shafts are ideal for applications where misalignment and shock loads are common.

Low-speed backstop for protection of the conveyor system from sudden high back torque from load due to the failure of drive system & additionally to ensure Human Safety.

Clutch - Over running clutch with Torque limiting function for automatic engagement and dis-engagement of drive system of a multiple drive conveyor & to optimise the design of drive system.


Conveyor Pulley Locking elements, True-line flange couplings for compact & easy dismantling of the drive system and Torque limiters as mechanical overload protection devices.

Retrofit & Solution Selling services - Our ONE STOP SOLUTION for Power transmission products and in house expertise can offer to End Users services as per their needs.



www.ringspann.com

ROCSCIENCE INC

Rocscience is a global leader in developing  **ROCSCIENCE** advanced 2D and 3D software solutions for civil, mining, and geotechnical engineers. As pioneers in the geotechnical software industry, our mission is to deliver world-class tools that empower professionals in the civil and mining sectors to make informed, accurate, and efficient decisions.

For over 25 years, Rocscience has been at the forefront of innovation, combining cutting-edge research with continuous development to create software that is not only robust and reliable but also intuitive and user-friendly. Our products are trusted by engineers and geologists worldwide to analyze complex geotechnical problems and deliver practical solutions that support safer and smarter infrastructure.

Seamless Software Integration

Our suite of products is designed to work together seamlessly, allowing users to transfer data effortlessly between programs. This integration enhances the understanding of material behaviors and properties, enabling efficient 2D and 3D analyses across projects.

DIANA and 3GSM Are Now a Part of Rocscience

- **DIANA** provides extensive multi-purpose finite element software for various engineering sectors, including civil, geotechnical, and petroleum.
- **3GSM** provides high-quality 3D software for the modelling and assessment of rock, terrain, and object surfaces.

With this expansion, Rocscience continues to push the boundaries of geotechnical analysis and visualization, offering unparalleled tools to engineers and professionals around the globe.

SLIDE2-2D LIMIT EQUILIBRIUM ANALYSIS SOFTWARE

Evaluates slope stability, safety factors, and probability of failures with built-in seepage analysis and extensive support libraries.

SLIDE3-3D LIMIT EQUILIBRIUM ANALYSIS SOFTWARE

Solves challenging 3D slope stability models effortlessly, offering all the features of Slide2 plus advanced 3D mo

RS2-2D FINITE ELEMENT ANALYSIS SOFTWARE

Analyzes slopes, foundations, tunnels, and more using the shear strength reduction method for accurate stability assessments.

RS3-3D FINITE ELEMENT ANALYSIS SOFTWARE

Analyzes complex 3D geotechnical models for civil and mining projects, perfect for both rock and soil.

RSLOG-WEB-BASED BOREHOLE LOG MANAGEMENT SOFTWARE

Centralizes your borehole data and streamlines collecting, reviewing, and preparing borehole logs, both in the office and on the field.

ROCTUNNEL3-3D ROCK STABILITY ANALYSIS FOR UNDERGROUND EXCAVATIONS

Determines valid block formations by intersecting joints in 3D space and calculates the factor of safety for each block using the 3D limit equilibrium method.

ROCSLOPE2-3D STABILITY ANALYSIS SOFTWARE

Provides a single platform for the analysis of rock slopes susceptible to wedge, planar, and toppling failure.

ROCSLOPE3-3D BLOCK STABILITY RISK ASSESSMENT SOFTWARE FOR ROCK SLOPES

Assesses the factors of safety of thousands of blocks in highly jointed rock masses, where failures are structurally controlled.

ROCFALL2-2D ROCKFALL ANALYSIS SOFTWARE

Assesses rockfall hazards in 2D, performs statistical analysis using rigid bodies, and designs barriers for slopes at risk of rockfalls.

ROCFALL3-3D ROCKFALL ANALYSIS SOFTWARE

Assesses rock slopes in 3D, performs statistical and rigid body analysis, and designs and tests barriers for slopes at risk of rockfalls.

UNWEDGE-UNDERGROUND 3D WEDGE STABILITY ANALYSIS SOFTWARE

Visualizes underground excavations in rock containing intersecting structural discontinuities.

RSDATA-STRENGTH AND STRESS ANALYSIS SOFTWARE

Analyzes rock and soil strength data and determines strength envelope parameters. Includes RocProp, a database of intact rock properties.

EX3-3D STRESS ANALYSIS SOFTWARE

Utilizes the boundary element method for large-scale underground structures including mines, tunnels, and caverns.

ROCSUPPORT-SUPPORT ESTIMATION SOFTWARE

Uses ground reaction curves to estimate deformation in circular or near-circular excavations in weak rock and visualizes tunnel interaction with various support systems.

DIPS-GRAPHICAL AND STATISTICAL ANALYSIS SOFTWARE FOR ORIENTATION DATA



Provides stereographic projection for the interactive analysis of orientation-based geological data. Capable of kinematic and jointing analysis.

CPILLAR-CROWN PILLAR STABILITY ANALYSIS SOFTWARE

Analyzes the stability of surface and underground crown pillars and laminated roof beds with a wide range of analysis methods.

www.rocsience.com



ROYAL ELASTOMERS PVT. LTD. (ELASTOCON)

Royal Elastomers Private Limited, established in 1997 and headquartered in Kolkata, India, is a trusted name in advanced elastomeric solutions. The company's flagship conveyor belt division, ELASTOCON, offers high-performance textile-reinforced rubber conveyor belts designed for critical applications in mining, steel, cement, and power industries.



Engineered to withstand extreme operational conditions-including ultra-high temperatures and abrasive materials-ELASTOCON belts deliver exceptional durability, tensile strength, and reliability.



With a legacy spanning over 25 years, Royal Elastomers serves leading public and private sector clients across India and abroad. Through continual innovation, technical customization, and stringent quality control, ELASTOCON is emerging as a preferred conveyor belt brand for mission-critical bulk material handling solutions in global mining and heavy industries.

REPL's Elastocon Pyrocon heat-resistant EP/PP conveyor belts are engineered for demanding applications in steel, cement, and foundry plants, withstanding material temperatures up to 400°C occasionally. Featuring heat-stabilized carcass, reinforced skim compounds, and low-shrink fabrics, they resist cracking, hardening, and delamination under thermal stress.



ELASTOCON general purpose conveyor belts, compliant with IS1891 (I), DIN 22102, and global standards, are designed for transporting minerals at application temperatures up to 70°C. Available in NN/EP fabric with 2-6 ply construction and ratings from 200 to 2500 kN/m, they offer high ply adhesion, excellent troughability, and both cut or moulded edges. Optimized with a 1:3 bottom-to-top cover ratio for enhanced durability and performance.

Elastocon's Firecon fire-resistant conveyor belts are engineered as per national and international standards, with specialized compound formulations based on Limiting Oxygen Index (LOI) to inhibit flame propagation. Designed for safe coal conveying in power plants and both open-cast and underground mining, these belts offer excellent resistance to wear, tear, and gouging at material temperatures up to 100°C.

Elastocon's Oleocon oil-resistant belts are specially formulated to minimize volume swell and prevent reverse troughing caused by rubber swelling in contact with mineral, vegetable, or animal oils. Ideal for oil-sprayed coal handling and fertilizer units conveying Urea, DAP, etc., they resist chemical aggression and ensure long service life. Oleocon belts are suitable for material temperatures up to 125°C in OR-HR grade applications.

Other Verticals/Products:

- Elastomeric Pads
- Grooved rubber sole plate
- Track fastening system
- Sealing Rings
- Track fittings



www.elastocon.com

ROYALEO FUTURISTICS

Royaleo Futuristics is an organization without boundaries - growing, and challenging. From the vehicles running in Mining sites, Manufacturing units, Warehouses, construction sites to machines operating in ports, we strive to deliver unparalleled quality through our customized value added, Safer and innovative solutions. Continual improvement in our product and service portfolio along with zeal to cater value added products to customers has been our motto. This helps us put out foot mark across industrial domains.



India is a growing economy and will scale vertically. This economy has a lot to offer for the industry by their investment in various sectors such as Roads, Ports, Mining, Agriculture, Metro, Real estate, Power, Railways, Manufacturing Hubs, etc. Government has announced their plans for investing more in infrastructure projects. We see good investments in various industries and further positive business for the stationary and mobile equipment industry. Quality customer service is the prime motto of our company. Being a client centric company, we have channelized all our resources to offer utmost level of satisfaction to the clients through our qualitative and timely service. With these kinds of business policies, we have earned a reputation of being a leading supplier of industrial safety equipment in the market. With constant efforts on improvement in terms of policies, products and services, we let our customers speak for our performance. A long-lasting business relationship with clients has been a driving force for our performance.

PROXIMITY WARNING SYSTEM (COLLISION AVOIDANCE SYSTEM)

Commercial vehicles in mining, construction, and manufacturing area are big or even large Vehicle Mobility Large vehicles with large blind zone, especially when the drivers' seats are in high level. In harsh environment, such as thick dust or darkness, it's more dangerous.

Proximity Warning System (Collision Avoidance System) is a safety system designed to warn, alert, or assist drivers to avoid imminent collisions and reduce the risk of incidents

REAR VIEW CAMERA SYSTEM

Vehicle reversing cameras not only save money by reducing minor accidents, they also save lives by giving drivers increased visibility behind their vehicles. Reverse cameras can help you park more quickly and safely.

DRIVER FATIGUE MONITORING SYSTEM

In a single day, 150,000 drivers fall asleep on the road, and at least one crash occurs due to driver fatigue every 15 seconds. Driver fatigue system is a safety technology that can prevent accidents that are caused by drivers who fell asleep while driving. Driver fatigue will immediately send an alarm signal to remind the driver.

INTEGRATED CAMERA SYSTEM

Integrated Camera System is New-age Technology which helps to alert the operator about any human and object behind the vehicle in blind zone. It uses AHD camera and display system with proximity warning sensor jointly.

KILL ZONE RED LIGHT

Mining Vehicle are heavy and have a large turning radius and can run over the feet of people who are standing too close to the machine. Having a projected light on the floor will remind them to stand outside the perimeter and avoid getting crushed by machine in operation.

AUTOMATIC FIRE SUPPRESSION SYSTEM

Our Fire extinguishing system is a reliable and effective solution for Human and transport safety. The system has passed necessary tests and certifications and meets high safety standards. Automatically detects overheating, extinguishes the fire and prevents its spread, ensuring continuous and safe operation of your equipment, and, not least important, saves the life of the person directly involved in the operation of machinery and equipment for various purposes.



All this makes our system an integral part of the equipment, guaranteeing effective protection and safety in production.

Our system is designed for effective protection of mining, mine, construction equipment, heavy duty quarry transport, mechanized areas of processing plants, various plant equipment with large volumes of fuel and lubricants, working fluids working under pressure in areas with a risk of ignition. Our system is effectively used on logging and processing machines and mechanisms.

MINE SAFETY WHIP 1.2 M, 1.5 M, 1.8 M TRUCK LED FLAG ANTENNA LIGHTS MINING BUGGY WHIP FLAGS POLE

LED warning system products contain a variety of products, most of which are made of aluminium alloy shell or ABS shell and PC lens material. Aluminium alloy shell adopts spraying technology. Aluminium alloy or ABS shell is smooth and fine in texture, and the material selection is superior. The products are widely used in public, inspection and agricultural machinery vehicles, heavy vehicles in mining areas, engineering construction and other large vehicles. Such as: large excavators, bulldozers, cranes, large trucks, pickup trucks, tractors, ships, special explosion-proof vehicles and other heavy or special vehicles. It is widely used. In order to enhance the safety of night driving or operation. Royaleo committed to making all vehicles safer during operation, which is our constant aim.



www.royaleo.in

SAFE ENGINEERING

(An ISO 9001:2015 Certified Company)

Reliable Partners of Forged, Machined, Heat Treated, Wear Parts, Hard Faced, Tungsten Carbide Brazed Parts.

Global leader in manufacturing of Wide Range of Forged Knife Guards for Combine Harvesters.

SAFE ENGINEERING is responsible & responsive partner in quickly developing new products & designs (Wear Parts, Tungsten Carbide Brazed Parts, Hard Faced Parts)

All manufacturing processes are conducted in-house under strict quality control.

Working on ZERO PPM with all customers.



Reliable Partners for Forged, Heat Treated Wear Parts. and many more.....



Global leader in manufacturing wide range of Forged Knife Guards for Combine Harvesters. and many more.....



Reliable Partners for Forged, Machined, Heat Treated Parts. and many more.....



Reliable Partners for Forged, Heat treated, Tungsten Carbide Brazed Parts. and many more.....

www.safe-parts.com

SAHYADRI ENGINEERING

Sahyadri Engineering is a Leading Bulk Material Handling Equipment & Systems company based in Pune, India. We utilize the latest innovations in technology to provide better Material Handling Solutions, which can offer our customers maximum potential for increasing productivity with safety. Sahyadri Engineering is established in 2021. We are in this field since last 15+ years.



Sahyadri Engineering is engaged in Designing and Manufacturing of Bulk Material Handling Equipment & Systems in Wet Scraper Conveyor, Submersed Ash Conveyors, Belt Conveyor, Screw Conveyors, En-mass Chain Conveyors, Bucket Elevators, Ash / Dust Conditioners, Pug Mill, Manually/ Pneumatic/ Electrical operated Slide Gates, Rack & Pinion Gate, Diverter Gate, Rod Gate, Spare-Idler, Pulley, Hood Cover, Grating as per Customers specification and requirement to handled any type of Bulk material

With the high experience and thorough understanding of the requirements across the various industrial segments, Sahyadri Engineering Material Handlers has always stood ahead of their competitors with a series of high-performance material handling equipment's. Our solutions are well-suited for across industrial segments Manufacturing, Mining, Steel, Power, Cement, Sugar & Bagasse, Petroleum and Gas, Paper, Foundries.

Wet Scraper Conveyors are engineered for collecting dust at high temperature which comprises Bagasse, Coal, Clay Dirt, Fly Ash slag, etc. The conveyors are commonly utilized in Bio-mass Fuel Ash, Furnace Coal Ash Disposal, Pulverized Coal fired Boilers and varied other fuel usages and are highly effective in power & sponge iron plants. Moreover, Wet Scraper Conveyors have Drive end and Tail End which are at inclined position normally, and are featured with double strand, and low linear speed for highly abrasive material.



Belt Conveyors are one of the cost-effective ways for moving bulk and bulk material long distances. These kinds of conveyors are highly efficient, reliable, versatile, and come with a wide array of capabilities. Plus, such conveyor systems can also be utilized for to changing elevation whenever transporting a product. These can be located either on the floor or overhead due to their easy assembly and sturdy construction. Effective for industry of cement, food, chemical, paper, steel and power, Industrial Belt Conveyors come in range from 0.5TPH to 3000TPH.



Ash Conditioner / Pug Mill is the perfect solution for pollution control as it effectively blends dust (recovered from ESP, mechanical collectors, bag houses, Silos etc,) with various liquids, thus allowing transport but effectively controlling the particulate matter escaping into the air. We have supplied mixer conveyors with capacities of 5 to 100 TPH. We can supply the mixer conveyors as per special requirements of customer for rectifying or refurbishing the existing old mixer conveyor.



We are a leading manufacturer and supplier of wide range of **Screw Conveyors** which are used horizontally or at a slight inclination as an efficient way to move semi-solid materials. Our Screw Conveyors are widely acclaimed in the market for their robust construction, reliable performance, advanced designs, longer service life and high performance. Major Industries we are Serving : Steel, Power,



Sugar, Sugar, Chemical, Mining, Sponge Iron, Paper, Foundries

Bucket elevators are capable to handle mostly all types of dry, free-flowing bulk materials, efficiently, in a trouble-free manner. We manufacture products with high design standards using quality manufacturing process in order to maintain the best standards of our products.

Removable top covers, Access doors for easy maintenance. Horizontally and vertically heavy-reinforced, jig welded head, boot, and intermediate sections. Adjustable throat plate at discharge Inspection doors on both sides of discharge Service platforms and access ladders available



Applications

Bucket elevators can handle a variety of materials, and therefore are used in many different industries and applications, though generally Aggregates, Animal Feeds, Calcined Coke, Coal, Fertilizer, Fly ash, Sand, Minerals, Potash, Lime, Woodchips

Hood Cover/Canopy-type Conveyors are utilized so as the material is saved from the air and water. It assists with keeping away from spillage of material and residue.



Idlers/Rollers-Rollers that support the belt and material along its length. They help maintain belt tension and alignment and can be classified as carrying idlers (supporting the load) and return idlers (supporting the empty belt).

Pulleys-Rotating drums or cylinders that support and drive the belt. They are typically found at both ends of the conveyor. The drive pulley is connected to the motor and provides the force to move the belt. The other pulleys help guide and tension the belt.

www.sahyadriengineering.in

■ SATWIK METALS PVT. LTD.

Satwik Metals Pvt. Ltd. is a leading manufacturer of wire and fencing products in India, with over 15 years of experience. The company offers a wide range of solutions including, Crimped Mesh, Barbed Wire, Concertina Coils and Chainlink Fencing. Known for its dedication to quality and reliability, Satwik has become a trusted partner for major industrial clients in iron, steel, mining and cement industries such as Jai Balaji Group, Shakambhari Group, Rashmi Group, Rungta Mines, OCL Iron and Steel, Star Cement and many more. Headquartered in Kolkata, West Bengal, we strive to contribute to the growth and development of its clients by providing high quality products engineered by professional expertise and modern production capabilities. Our stainless steel, spring steel, GI and PVC coated wires are all sourced only from industry leaders to ensure standardisation and top notch quality. With a strong focus on innovation, durability, and cost-effectiveness, we ensure customer satisfaction through custom solutions and timely delivery.

Satwik's Vibrating Screens are precision-engineered for effective screening and grading of materials in mining, construction, and aggregate industries. Made from high-tensile steel or stainless steel, they offer durability, resistance to wear and corrosion, and optimal performance in high-impact environments.



Our Chainlink Fencing is manufactured from galvanized or PVC-coated wire, ideal for securing boundaries in residential, industrial, and agricultural zones. It is flexible, rust-resistant, easy to install, and customizable in size and mesh gauge.



Satwik's Concertina Coils are high-security fencing solutions made from

galvanized steel with razor-sharp edges. Widely used for military, border, and institutional security, they provide anti-climb and anti-cut protection.



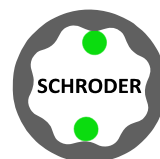
Our Barbed Wire is manufactured using high-tensile galvanized steel, offering strong, durable perimeter fencing. It is commonly used for agricultural, defense, and property boundary applications, ensuring cost-effective security with minimal maintenance.



www.satwiksrijan.in

■ SCH HYDRAULICS PVT. LTD.

SCH Hydraulics manufacturers of Schroder make Low speed High Torque Drive Hydraulic Motors and drive systems for Mining, Material Handling Applications used in equipment's like Stacker Reclaimer, Wagon tippers, Apron Feeders, Paddle Feeders, Conveyors etc., supplies across Globe.



Hydraulic Radial Piston Motors – (0.5 to 150 litres/rev) Various Types – HD/VHD, MD, LD, 820 and CR series.



Hydraulic Power Pack Units – (1.5 KW to 200Kw Electric Motor - Including Hydraulic Air Oil Cooler, Hydraulic Pump and Tank, Hydraulic Safety Electronics Control Instruments and PLC Controller with HMI)



Bucket Wheel Hydraulic Drive System

Hydraulic Power Pack Units – (1.5 KW to 200Kw Electric Motor - Including Hydraulic Air Oil Cooler, Hydraulic Pump and Tank, Hydraulic Safety Electronics Control Instruments and PLC Controller with HMI)



Wagon Tippler Drive Motor with Integrated Brake



Conveyor Drive System

www.schroderhydraulics.com

■ SHANTHI GEARS LTD.

Shanthi Gears Limited, founded in 1969, has been a leading player in Industrial Gears for over four decades. Today, through strategic innovations aimed at diversifying its customer segments, the Company steadfastly addresses requirements of multitudes of Industries like Steel, Cement, Sugar, Power, Mining, Paper, Transportation etc.

Shanthi Gears

Being a part of the Murugappa Group, Shanthi Gears have brought the highest standards in precision engineering and assembly service to ensure the Customers to receive exceptional service and quality standards that lead the market.

The Engineering facilities are state-of-the-art, and the people are highly skilled with their professionally honed capabilities to execute both reverse and re-engineering of existing gears and gearboxes for diverse application

Shanthi Gears Limited is first Indian Gear Manufacturing Company to get the coveted AS-9100D certifications for supply of components of Aerospace.

Accredited with comprehensive Quality Management Certifications through Bureau Veritas, Shanthi Gears Limited is also the First Indian Gear Manufacturing Company to receive IRIS Certification.

BUCKET WHEEL EXCAVATOR

- Designed to meet the rigorous demands of continuous mining operations, the Bucket Wheel Drive Bevel Planetary Gearbox is a robust and high-torque transmission solution specifically engineered for bucket wheel excavators in coal mining applications.
- Combining the advantages of bevel gearing for directional power transmission and planetary stages for high torque density, this gearbox delivers reliable, efficient, and smooth operation under extreme load conditions and harsh environments.
- SPECIFICATION :

Power : 2 x 750KW Speed : 1480rpm Capacity : 1400 Ltrs



APRON FEEDER GEAR BOX

- Designed to withstand continuous operation under extreme conditions, this gearbox ensures smooth and reliable material handling from hoppers to conveyors or crushers.
- Helical, Bevel Helical, and Planetary gearbox types can be manufactured as per specific requirements.
- SPECIFICATION :

Rated Capacity - 303KW Ratio - 313:1



GEAR BOX FOR TWIN SHAFT SIZER

- Built to withstand high torque and shock loads, this gearbox ensures efficient crushing and sizing of raw materials such as coal, lignite, and ore, even under the most demanding site conditions.
- Application : Primary Crusher
- SPECIFICATION :

Power : 225/250/300 KW Ratio : 20-45



DUAL STAGE PLANETARY GEARBOX FOR CUTTER DRIVES

- Our Dual-stage planetary gearbox is designed to meet the demanding requirements of cutter drive systems in the mining industry. Built for continuous operation under extreme conditions, it ensures smooth performance and long-lasting durability.
- SPECIFICATION :

Output Speed : 75.4 rpm Output Torque : 2lak Nm



Shanthi make **Worm Plus reducers** are well known for their reliability, robust constructions, high efficiency and Smooth hassle-free performance. Gear boxes to offer highest torque and static overload capacity in existing space.

We manufacture international standard worm Gear boxes using state-of-the-art software programs. The various design considerations are verified with advanced computations and validated by EFA analysis and field tests, to ensure the required safety factors against wear and tear, pitting, tooth breakage, scuffing, shaft deflection and working temperature consideration.

We support in design and manufacturing custom built gear boxes for OEMS with any size and any ratio.

Available Size from 1.3/4" to 28", Ratio 5:1 to 4900:1

We are a reliable manufacturer of all Kinds of Geared Motors suitable for all kinds of application including rolling mills, Stocker and Claimer mobility, Automated CAR Parking with very precious finishing of Gears to meet minute tolerance. We are having world class facility to manufacture the parts with a complete finish including grinding and heat treatment.

The Engineering and Production facilities are state of art, and people engaged in every operation are highly skilled with their professionally honed capabilities



to execute both reverse and re-engineering of existing gears and gearboxes for diverse application.

We steadfastly address gearbox requirements of multitudes of industries like Steel, Cement, Sugar, Power, Mining, Paper and Pulp, Chemical and Paint.

- Inline Helical: Power - from 0.25 HP to 125HP. Range of Ratio – 2.5:1 to 18000:1
- Helical Bevel: Power - from 0.25 HP to 125HP. Range of Ratio – 2.5:1 to 200:1, also we can Supply Higher Ratio up 1000:1 + with Duel Tandem constructions.
- Parallel Helical: Power - from 0.25 HP to 125HP. Range of Ratio – 2.5:1 to 200:1, We can Supply Higher Ratio up 1000:1 + with Duel Tandem constructions.
- Helical Worm and Planetary: Custom Built as required by application.

www.shanthigears.com

SPECIAL STEEL INDUSTRIES

Special Steel Industries established in 2018; This is a company who is processing & stocking value added steel grades like Abrasion Resistant Plates, High Yield Strength Plates, High Manganese Plates, High Carbon Plates, Armor Steel plates etc.



Special Steel Industries is importer of superior quality of Wear Resistant Steel plates from abroad mills and delivering to their valuable customer in India. And best recommendations of grades as per customer's applications.

A 15 years field experience in Mining Industries, Cement Plants, Steel Plants, Power Plants and Earth-Moving Industries.

Heavy Duty Bucket is being manufactured by Abrasion Resistant Plates, Bucket are used in Mining industries Heavy duty buckets are specifically designed for tough applications that require high durability and performance, typically for excavators and similar equipment. They are built to withstand harsh conditions, including digging through dense, abrasive materials like rock and gravel. They are more robust than standard buckets, often featuring reinforced construction, wear plates, and protective shrouds. Here's a more detailed look at heavy-duty buckets.



Mining dump trucks, also known as haul trucks or haulage trucks, are heavy-duty, off-road vehicles designed for transporting large volumes of materials, such as Iron Ore and Waste Rock, in mining operations. They are characterized by their robust construction, large capacity, and ability to navigate challenging terrain. For longer life Wear Plates are being used to protect mother plates of body.



In Vertical Shaft Impact (VSI) crushers, wear plates are crucial components that protect the rotor and crushing chamber from wear and tear caused by the crushing process. These plates are strategically placed within the crusher, primarily on the upper and lower sections, to withstand the high-impact forces generated during operation.



A telescopic boom crane is a type of crane that utilizes a boom, or an arm, that can be extended or retracted, similar to a telescope. This feature allows the crane to reach great heights and working distances. The boom is typically constructed of steel and is capable of being moved to different positions, providing flexibility in lifting and positioning loads.



Artillery refers to large-Caliber, crew-served, mounted firearms like cannons and howitzers, designed to fire projectiles over long distances. These weapons are used in military operations for



tasks like suppressing enemy positions, breaching fortifications, and supporting infantry.

The Indian Army's tank inventory includes main battle tanks (MBTs) like the T-90, Arjun Mk1, and Arjun Mk1A, as well as the light tank, Project Zorawar. The T-90, a Russian-licensed design, is considered a modern tank and a mainstay of the armoured corps. The Arjun MBT is an indigenous design with advanced features, including a 120mm rifled gun. The Indian Army is also developing a Future Main Battle Tank (FMBT) with even more advanced technologies.



www.specialsteels.net

▀ SPEED-O-CONTROLS PVT. LTD.

Speed-O-Controls Pvt. Ltd, Introducing ourselves as leading manufacturers of crane control gears. We have developed our roots in this field from last two and half decade. We have committed to quality, productivity and customer service.



Speed-O-Control is an integrated association of Engineers. Project Management Specialists and Designers possessing specialized experience in Material handling Industry specially EOT Cranes.

The company can accept full engineering responsibility for a project with respect to control gear from preliminary market studies to completion of project & operational management -or it can handle only one specific phase to supplement the special needs of the client's own engineering staff.

Speed-O-Control has established a proud reputation in the market place, as a quality conscious supplier of customer specific products. We support and service a demanding customer base in the EOT Cranes, Hoist & other Mobile Machinery with an emphasis on achieving world-class quality at competitive prices.

Radio Remote is a wireless handheld device used to control Electric Overhead Traveling (EOT) cranes. Featuring durable, easy-to-use push buttons, it allows operators to safely manage crane functions such as lifting, lowering, and traversing from a distance.



Designed for industrial use, it enhances safety by keeping operators away from hazardous zones and improves efficiency with precise, responsive controls. The system includes a transmitter and receiver, uses encrypted signals to avoid interference, and often comes with features like emergency stop, rechargeable batteries, and weather-resistant housing for reliable performance in harsh environments.

DSL Power Distribution Systems

are essential for supplying and managing electrical power to (EOT) cranes. These systems include components like DSL (down shop lead) bus bars, cable trolleys, festoon systems, and current collectors, ensuring continuous and reliable power delivery during crane operation. Designed for high performance and safety, they support smooth movement of the crane along its track while minimizing power loss and maintenance. Ideal for industrial environments, these systems are built to withstand heavy-duty usage, harsh conditions, and ensure efficient, uninterrupted crane operation with minimal downtime and optimal energy distribution.



EOT Crane Flameproof Equipment is specially designed for use in hazardous environments where flammable gases, vapors, or dust may be present. These components-such as flameproof control panels, limit switches, motors, and push-button stations, brakes, Radio Remotes-are built to prevent ignition of surrounding explosive atmospheres. Certified for use in IIA, IIB and

IIC Zones, they ensure safe and reliable crane operation in industries like petrochemical, mining, and pharmaceuticals. The equipment maintains full functionality while containing any internal sparks or flames, thereby enhancing safety without compromising performance. Robust construction and compliance with international safety standards make them ideal for critical applications.



Load Cells and Dynamometers are precision instruments used to measure and monitor the lifting load during crane operations. Integrated into the crane's lifting mechanism, these devices provide real-time load data to prevent overloading, enhance safety, and ensure efficient material handling.



Load cells convert force into electrical signals, while dynamometers display the actual weight being lifted. They are essential for industries requiring accurate load measurement, offering features like digital displays, wireless data transmission, and overload alarms. Rugged and reliable, they improve operational control, reduce the risk of equipment damage, and help comply with safety regulations.

Crane controllers are essential devices used to operate and manage the functions of cranes, including hoisting, lowering, and moving loads. These controllers typically feature push buttons, joysticks,, allowing operators to precisely control crane movements from a distance. Designed for safety and reliability, crane controllers often include overload protection, emergency stop functions, and speed adjustments. They are durable and built to withstand challenging industrial environments. With advanced features like wireless operation and integration with automation systems, crane controllers enhance efficiency, safety, and productivity in material handling applications across various industries.



Crane Limit Switches are safety devices used to control and limit the movement of Electric Overhead Traveling (EOT) cranes. They are installed at critical points on the crane to prevent over-travel or over-extension of the crane's hoist, trolley, or bridge. When the crane reaches a predefined limit, the switch activates, stopping further movement to protect the equipment and avoid accidents. These switches help ensure safe operation, reduce wear and tear, and prevent potential damage to the crane. Available in various designs, EOT Crane Limit Switches are crucial for enhancing safety and operational efficiency in industrial environments.



www.speedocontrols.com

▀ SPOHN+BURKHARDT INDIA ELECTROTECHNICAL PVT. LTD.

Spohn+Burkhardt is a time-tested manufacturer of industrial joysticks, control stations and resistors with a legacy spanning 100 years.



Engineers Karl Spohn and David Burkhardt founded the company in 1920 and continues to be family owned. They started their journey repairing motors and switch gear.

By 1930s they had started production of star delta switches, automatic switchgears and by 1942 first patent were filed for switch rollers and started complete control cabinets for cranes by 1948. Innovation specific to industry has followed ever since with strong distribution and after sales support earning

a reputation amongst our customers.

Our Indian subsidiary has been operational since 2017 to partner India's Industrial growth and ever-growing need of control solutions.

Our joysticks are modular, built for specific function with a wide portfolio of products that shorten solution development for your application. OEMs, System Integrators, Automation solution providers have valued this trait. Quality and reliability attested by our customers is a testament to our approach to product development with many customer relationships spanning more than two decades in India.

These help us to cater to relevant and adaptive solutions for various Industry verticals ranging from Steel plants, ports and harbours, agriculture to defence, construction and cement, industrial automation and more.

Based in the Silicon Valley and Aerospace hub of India, Bangalore with our Sales offices in Mumbai, Kolkata and Delhi ensure liaison and solutions are efficient.

FIRST-CLASS JOYSTICKS FOR ALL SECTORS

Industrial joysticks from Spohn + Burkhardt are truly jacks of all trades.

You can perform a multitude of functions with the joysticks; this is why a unique product is ultimately created out of every standard version. As a manufacturer, we take into account the conditions of your industrial branch and produce everything from the individual unit to the series according to your requirements.



CONTROL STATIONS – ERGONOMIC WORK IS GUARANTEED

Workers often spend countless hours in control stations. That means that they have to be comfortable and ergonomic.

For this reason, we at Spohn + Burkhardt equip our control stations with comfortable seats and a variety of individual adjustment possibilities as standard equipment. And the best part: All settings can be stored with the memory function. This makes work in shift operation easier.



RADIO REMOTE CONTROL (RRC)

The radio remote control ensures safety, enhances productivity, and improves the efficiency of your application, providing greater convenience and simplicity in controlling and movements of the machine.



"Customized plug-and-play solution with an interposing panel."

ATEX-Certified Remotes – Designed for use in potentially explosive atmospheres, adhering to the latest and highest safety standards. Industry-Specific Tailored Solutions. Remote I/O Modules.

Rotary encoders

Relectronic

Absolute rotary encoders, incremental rotary encoders and mix-actuated encoders

Linear encoders

Linear absolute position measuring systems for your perfect motion control

Low voltage measurement

Measurement and processing of different signals and data through the standard I/O interface

Intelligent compact drives

Variable frequency drives - positioning

Interface

Proven safety and failure protection - they are all direct support of your specific application

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FORCE MEASURING SENSORS

Force measuring pin, Tension load cell, Force sensor washer, Rod end load cell.

CONTACT:

Email: marketing@spobu-india.in

Website: www.spobu-in.com



SPRINT ENGINEERING PVT. LTD.

Sprint Engineering is an old established company in India with experience of over 5 decades in Cranes Electric Hoist & allied Equipment manufacturing. We make various types for the industry with specialization in steel Melting shops, Hot & Cold Rolling mills, Tube mills, Blast furnaces, Pellet & sinter plants, Beneficiation plants, Injection Moulding Industries, Paper, Power & Sugar industries.



Our Range of products Single Girder EOT Cranes, Double Girder EOT Cranes, Gantry Cranes, Jib Cranes, Electric Hoist, Transfer Trolleys, Freight Elevators and Crane & Hoist spares including Thruster Brakes, Disc brakes, Gear boxes. In addition, we can provide a range of accessories including Radio Remote Controls, Electronic Overload Protection and Load Cell/ Weighting System with Digital Displays.

Our Head office is located in New Delhi & our 3 Factories are located in Gurgaon.

Double Girder EOT (Electric Overhead Traveling) Cranes are robust lifting systems used for heavy-duty material handling in industrial environments. They feature two parallel bridge girders supported on end trucks, with a crab (trolley and hoist) running on top. This design provides high load capacity, greater stability, and extended lifting height compared to single girder cranes. Ideal for applications in steel plants, warehouses, and large manufacturing units, they offer efficient, reliable performance for lifting loads typically ranging from 0.5 to 250 tons. Customizable with features like radio control, variable speed, and automation.



Single Girder EOT (Electric Overhead Traveling) Cranes are cost-effective and efficient lifting solutions used for light to medium-duty material handling. They consist of a single bridge girder supported on end trucks, with the hoist traveling on the bottom flange of the girder. Suitable for capacities up to 40 tons and moderate spans, these cranes are ideal for small workshops, warehouses, and maintenance applications. They require less space, have lower dead weight, and are easier to install and maintain compared to double girder cranes. Optional features include radio remote control, variable frequency drives, and overload protection.



Gantry Cranes are versatile material handling systems used for lifting and moving heavy loads, typically in outdoor applications or areas without overhead crane runways. They consist of a horizontal beam (girder) supported by vertical legs that move on ground-level rails or wheels. Available in single or double girder configurations, gantry cranes are ideal for construction sites, shipyards, and container yards. They offer flexibility in mobility, easy installation, and cost-effective operation. Capacities range from a 0.5 - 250 tons, and they can be customized with features like cantilevers, motorized travel, and remote controls for improved efficiency and safety.



An **Electric Hoist** is a lifting device powered by an electric motor, used to raise, lower, and move heavy loads with ease and precision. It typically consists of a motor, drum or chain wheel, wire rope or chain, and a hook for load attachment. Electric hoists are commonly used in factories, warehouses, construction sites, and workshops for material handling. They come in various types, such as chain hoists and wire rope hoists, and can be mounted on fixed supports or traveling trolleys. Key features include compact design, smooth operation, overload protection, and easy integration with cranes or monorail systems.



A **Jib Crane** is a compact and versatile lifting device used for localized material handling in workstations, warehouses, and production lines. It features a horizontal jib or boom that supports a hoist and can rotate to lift and move loads within a circular area. Mounted on floors, walls, or columns, jib cranes offer capacities typically 0.5 to 15 tons and rotation angles from 180° to 360°. They are ideal for repetitive lifting tasks, enhancing efficiency and reducing manual effort. Easy to install and operate, jib cranes are commonly used for loading/unloading materials, assembly operations, and maintenance tasks in confined spaces.



www.sprintindia.com

■ SRO BHARAT (A UNIT OF SHRI RAM OVERSEAS)

With over 40 years of expertise, SRO Bharat prides itself on being a trusted partner for industries worldwide. Our commitment to excellence and quality has earned us a robust reputation. At SRO, we recognize the critical role bearings play in ensuring seamless operations across various industries including Steel Rolling mills, Stone Crusher, Paper, Sugar, Automotive, Electric Motors and more. We offer a diverse range of high performance bearings crafted to meet stringent industry standards, available at competitive prices.

Here, other than Bearings Distribution we have a wholesome array of associated products to offer which include Bearing Sleeves, Bearing Housings, Roller Chains, Mounting and Dismounting Tools, Maintenance Products, Condition Monitoring Equipment's, Grease and Oil seals.

We aim to connect with industry professionals to share insights and foster innovation. SRO Bharat is known for its unmatched quality, affordability, and customer satisfaction. Our diverse product range, ready stock availability, and dedicated workforce has added value to the lives of our customers and

PRODUCT RANGE

- Bearings
- Grease
- Housings
- Other Allied Products
- Roller Chains

CORE PURPOSE

Quality is the foundation of our brand SRO Bharat. We believe that our high-quality bearings contribute to the efficiency, reliability & overall progress of our customers' machinery & applications.

CORE VALUES

High Performance Quality, Precision Excellence, Customer Centricity, Integrity and Ethics, Continuous Learning & Adaptability and Team Work.

INDUSTRY WE EMPOWER

- Steel Plants
- Mining
- Sugar Plants
- Crusher Industry
- Agricultural Machines
- Other Industries
- Cement Plants
- Power Plants

SPHERICAL ROLLER BEARINGS

These bearings are designed to accommodate heavy radial loads and axial loads in both directions. They have barrel-shaped rollers and can come with steel or brass cages to provide durability and high load capacity. Their self-aligning capability makes spherical roller bearings ideal for use in heavy-duty and high-load applications across various industries.



MULTI ROW BEARINGS

Multi-row bearings are designed to handle heavy radial loads. These bearings consist of multiple rows of rolling elements, which distribute loads more evenly and provide enhanced stability. Multi row bearings are commonly used in applications that require high load capacity and precision.



TAPERED ROLLER BEARINGS

Tapered roller bearings are designed to handle both radial and axial loads by using conical rollers providing support for rotating shafts in one direction. They are available with steel or brass cages for various industrial applications.



PILLOW BLOCK / PLUMMER BLOCK

Pillow block bearings, also known as Plummer block bearings, are mounted bearing units that consist of a bearing installed in a housing, designed to provide support for a rotating shaft. The housing is typically bolted to a foundation, which provides stable and secure support. These bearings are essential in various applications due to their ability to handle heavy loads and ease of installation.



DEEP GROOVE BALL BEARINGS

Deep groove ball bearings are the most common type of ball bearings and are widely used in various applications due to their simplicity, versatility, and high performance. These bearings have deep raceway grooves in both the inner and outer rings, which allow them to support radial loads and moderate axial loads in both directions.



CYLINDRICAL ROLLER BEARINGS

Cylindrical roller bearings consist of cylindrical rollers that provide high radial load capacity, optimal load distribution, and minimize friction. These bearings are ideal for high-speed applications due to their ability to accommodate large radial loads and their low-friction design.



www.srobearings.com

■ SSH PERMCO INC

"PERMCO" is a leading manufacturer of precision-engineered fluid power products, Permco designs and builds the best-value solutions that uniquely fit our customer's needs. With six decades of long focus on personal service, we deliver the highest quality, most dependable products to our wide customer base of OEM's and distributors at the best possible value.



"SSH PERMCO INC" is counterpart of "PERMCO" Global to serve customers in the Indian subcontinent and neighboring regions for wide variety of "PERMCO" products such as Cast-Iron Gear Pumps, Motors, Flow Dividers Proportional Load Sensing Valves and other specialized products.

With the state of art Permco built center in Indore (MP, India) and having large inventory of all the shafts, mountings, gear displacements and porting facility for quick assembly, "SSH PERMCO INC" offers complete engineering solutions to meet customers critical application specific needs within 48 hours - with Strict quality control procedures followed by 100% of the units are tested before they leave the facility ensuring to meet "PERMCO's" high standards of performance and durability.

"With Permco, it's personal".



Manufacturer of wide variety of cast iron gear pumps, motors, flow Dividers and mobile valves



Heavy Duty Mining Pumps

Roller Bearing and Sleeve Bushing Gear Pumps, Motors and Flow Dividers



Cast Iron Flow Dividers for all Applications



Customised Units as per customer application requirement



Single pumps to multi-stage units and mobiles valves suitable for mining and all earthmoving equipments

www.sshpermcoindia.com

STM CONSTRUCTION EQUIPMENT (INDIA) PVT. LTD.

STM Construction Equipment is specialised in bringing innovative construction and mining equipment to Asia, offering superior productivity and safety. Working closely with a group of selected manufactures and a network of branch office and local dealers throughout Asia, STM is your best adviser in obtaining blast free high performing equipment for your projects rock excavation rock splitting and demolitions.



We supply Xcentric Ripper for the blast free mining, ALLU crusher bucket for soft rock crushing screening and loading in one step, Darda Rock splitter, Yamamoto rock splitter and Fractum Impact breaker for breaking of steel & iron and big boulder of rock.

Our head office is in Singapore and we have branch offices in Bangkok, Jakarta and Mumbai and work through dealers in China, Hongkong, Vietnam, Nepal, Bhutan and Sri Lanka.

Darda Hydraulic rock and concrete splitters provide a powerful and extremely cost-effective alternative to other conventional demolition techniques. Hydraulic splitting means controlled splitting, and this method eliminates shock waves, vibrations, dust and noise that large impact tools usually produce. DARDA rock and concrete splitters have been used with great success in over 80 countries for the past 30 years. The high quality, reliability and durability of the equipment is unsurpassed.



Rilon has been focusing on the development and innovation of non-explosive rock-breaking equipment and is an expert in the field of non-explosive blasting rock-breaking technology. Our main products are Integrated hydraulic rock After more than 10 years of development, our products are widely used in various complex construction environments, and we have accumulated rich experience. Whether it is a mine, quarry, or another construction project, it can ensure that you can easily deal with various complex construction environments.



The **ALLU M-series** crusher buckets are designed for extraction straight from the face and crushing in a single step. This effectively eliminates the requirement for a stock pile and all material handling this involves. Compared to D-series, the mining series comes with reinforced frame, powerful hydraulic motors, heavy duty drive chains and extraction teeth, all to make it strong and durable for simultaneous extraction, crushing and loading. A touch screen in the cabin, supported by multiple sensors, allows for real time monitoring of hydraulics, parts temperature & productivity.



Xcentric Ripper has developed a new series of high performance machines.

they are focused to be used in mining, where the highest production values are required, as well as continuous work shifts, where the reliability and comfort of working with the excavator are of vital importance.



The working technology is basically the same as in the standard version, but not the mechanics, which has been reinforced to achieve a greater impact at a lower frequency.

www.stm-ce.com

STRATA GEOSYSTEMS (INDIA) PVT. LTD.

Strata Geosystems (India) Pvt. Ltd. is a global leader in geosynthetic manufacturing and soil reinforcement technology. Founded in 2004 as a joint venture with Strata Systems Inc., USA. A global leader in technical and performance textiles, Strata Geosystems has grown into a formidable presence in the industry.



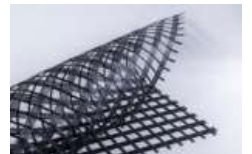
What began as a modest venture focused on India's infrastructure market gained significant momentum by 2007, evolving into a major force in the global market. Strata now exports its innovative geosynthetic products to 60+ countries worldwide, addressing a wide array of site development challenges.

Strata's solutions cater to industries such as highways, landfills, mines, railways, ports, and container yards, offering reliable applications in retaining walls, reinforced soil slopes, embankments, and more. With a strong commitment to sustainability, Strata continues to minimize its operational footprint while maximizing sustainable outcomes.

The company operates from offices in India, the United States, Spain, and other key locations, supporting its global operations. Strata's 320,000 square-foot world-class manufacturing facility ensures top-quality production of geogrids, geocells, and geotextiles, providing clients with the highest standards of performance and durability.

StrataGrid™

StrataGrid™ geogrid is a high-performance soil reinforcement solution that is produced by knitting high-tenacity polyester yarn into a dimensionally-stable network of apertures to form a geometric grid. One of the most common areas in which this can be seen is in the development of space-saving reinforced soil wall systems that deliver stronger, more economical infrastructure with less of an impact on the environment.



SGB Grid

SGB grid is a high-performance pavement reinforcement geogrid, engineered specifically for improving the modulus values of the pavement layers. It is an economical and effective solution to optimize pavement costs and improve pavement life. Its can also be used below structural foundations, load transfer platforms, embankments over soft soil, basal reinforcement below embankments. etc.



StrataWeb®

It is a three-dimensional cellular confinement system used to improve load-bearing capacities, reinforce weak soil foundations, and control erosion on slope surfaces. It can also help alleviate challenges associated with load support over soft soils and erosion on steep slopes, as well as the lining of lagoons, drainage channels, and landfills.



StrataTex HSR™

It is a next-generation flexible polyester high-performance geotextile used in soil reinforcement and other civil engineering applications.



StrataDrain™

It is a drainage composite that comprises of hdpe geonet core laminated with nonwoven geotextiles, on both sides. The non-woven geotextile functions as a separator and filter allowing liquid and gases to pass into the geonet core preventing from clogging the core. The geonet then collects and allows the flow of liquid and gases to collection system. It can be used in landfills, mining and other civil applications.



www.strataglobal.com

STUEWE LARAON INDIA PVT. LTD.

Stuewe Laraon India Pvt. Ltd. is a joint venture between Stüwe Germany and LARAON India, specializing in high-performance mechanical components for demanding industrial applications. We manufacture and supply shaft-hub connections, shrink discs, locking assemblies, industrial brakes, and rotor locks designed for heavy-duty use in mining, cement, steel, and material handling sectors. Our solutions combine German engineering precision with Indian manufacturing agility, offering exceptional reliability, torque transmission, and safety in critical drive systems. With a strong focus on customization, durability, and on-site support, Stuewe Laraon is a trusted partner for OEMs, EPCs, and end users seeking robust power transmission solutions across diverse industrial environments.

STÜWE®

STÜWE MECHANICAL SHRINK DISC (Powerful and versatile)

- Stüwe Mechanical Shrink Discs (type HSD) are detachable machine elements for connecting a hub to a shaft using a frictional, press-fit connection.
- They are maintenance-free, dirt-resistant, and allow quick, non-destructive installation and removal.
- Suitable for high torque transmission (up to 18,000,000 Nm) and shaft diameters from 8 mm to over 1,000 mm
- Widely used in wind turbines, steel mills, driveline, mixing, crushing, and conveying equipment.



STÜWE INTERNAL LOCKING UNIT IS (Reliable and Proven)

- The Stüwe Locking Assembly is the perfect solution for shaft-to-hub connections, offering unmatched reliability and performance. As one of the most trusted brands in the industry, Stüwe has a proven track record across a wide range of demanding applications.
- Proven Reliability: Stüwe Locking Assemblies deliver consistent, secure connections, even under the toughest operating conditions.
- Versatile Application: Widely used in mining, especially for connecting pulleys to shafts, as well as in conveying, mixing, and heavy-duty machinery.
- Maintenance-free Operation: The frictional, backlash-free connection ensures long-lasting performance with minimal upkeep.
- Easy Installation and Removal: Designed for quick, non-destructive assembly and disassembly, saving valuable time during maintenance.
- High Torque Transmission: Capable of handling high torque loads, making it ideal for critical industrial applications.



STÜWE EXTERNAL LOCKING UNIT AS (Visual control and Easy Removal)

The External Locking Unit Type AS uses a frictional, interference fit to connect pulleys and discs to shafts. When the locking screws are tightened, the unit expands radially, pressing the hub firmly against the shaft and creating a strong, backlash-free connection.

Demountable and Maintenance-friendly: The shrink fit



provided by the locking unit is easily reversible, allowing for quick removal and reinstallation during maintenance without damaging the shaft or hub.

Low Stress Concentration: The precise fit and uniform pressure distribution minimize stress concentrations at the connection points, enhancing fatigue life and reliability of the assembly.

Secure Under Dynamic Loads: The locking element is designed to handle both torque and bending moments, ensuring the attachment remains secure even under varying operational stresses.

This combination of frictional locking, ease of maintenance, and robust load handling makes the Stüwe External Locking Unit AS a highly secure and reliable solution for attaching pulleys and discs to shafts.

STÜWE FLANGE CONNECTION FKH (Keyless Shaft to Shaft Connection)

Rigid Shaft Connection: The FKH flange coupling consists of two flange halves, creating a solid, backlash-free connection between two shafts-ideal for transferring high torques in demanding environments.

Industrial Versatility: Commonly used in heavy-duty applications such as mining, marine propulsion, wind turbines, cable railways, and material handling systems, where robust and reliable shaft connections are essential.



Power Transmission: Suitable for connecting drive shafts in motors, conveyors, and geared motors, ensuring precise alignment and efficient power transfer.

Brake and Coupling Mounting: Frequently employed for fastening brake discs, couplings, slip-on gear units, and other disc-shaped elements to shafts in various machinery.

Easy Installation and Maintenance: Designed for quick, space-saving installation and non-destructive removal, reducing downtime and simplifying maintenance procedures.

STÜWE BRAKE SYSTEMS TYPE SBS (Wide range of applications)

Our braking systems are versatile and suitable for a wide range of industrial applications. They can be used as holding, stopping or service brakes. We offer both active and passive brakes in various designs, which are actuated mechanically. Pneumatically or hydraulically. One of our core competences is the individualised adaptation of our brake systems to the specific requirements of our customers.



Pneumatic and mechanical brakes:

- Active and passive versions available.
- Suitable as a holding, parking and service brake for light to high loads.
- Transmission of braking forces up to 35 kN.
- Special sealing materials ensure a long service life.
- Simple and safe handling.
- Virtually maintenance-free operation (depending on the operating conditions).
- Variable brake pad materials, adapted to the application.

STÜWE INDUSTRIAL BRAKE DISCS TYPE SBD (Customised solutions)

Our brake discs are designed for a wide range of industrial applications. They are available both in standardised sizes and as individual custom-made products, whereby we can make individual adjustments to the disc geometry, mounting hole pattern or cooling hole pattern. We also offer designs in special materials and toothing options. We provide the BAS complete solution for simple and safe mounting of brake discs on shafts. This combines predefined brake discs with the Stüwe AS clamping sets and offers a comprehensive solution for your requirements.



Advantages of our industrial brake discs:

- Customised adaptations possible
- High-quality materials
- Simple and safe installation
- Long service life

STÜWE LOCKING NUT TYPE SLN (Precision and safety)

Our shaft nuts offer a simple, secure and precise way of securing machine

elements against axial displacement. They can be used in a variety of ways, for example to secure bearings in wind turbines or as a central fastening solution in drive systems for industrial machinery.

Advantages of the Stüwe Locking Nut:-

- No retaining groove required on the shaft.
- No notch effects.
- Lower production costs.
- No weakening of the shaft.
- Frictional connection of the threads possible by tightening the screws.
- Minimisation of the tooth flank clearance.
- Enlargement of the meshing surface.
- Absorption of maximum axial forces.
- Simple assembly and disassembly.



STÜWE STOP-TURN-BLOCK SYSTEM (Versatility at the highest level)

The STB system from STÜWE was developed for propeller shafts with a main power of

up to 25 MW in large yachts, cruise ships, ferries or commercial vessels developed. Thanks to a modular system, our devices can be used with all three, only two or only one of the main STOP-TURN-BLOCK functions can be supplied.



Advantages of the STB system from STÜWE:

- Simple, safe and robust design with high corrosion protection.
- Simple and safe operation thanks to interlocks in the control unit.
- All electronic components, including sensors, are certified by a classification society.
- Only one sensor type for all functions means high availability at sea and worldwide.
- Easy maintenance, e.g. when replacing brake pads.

www.stuewe.in

SYNTRON INDUSTRIES PVT. LTD.

Syntron Industries Private Limited is a specialized manufacturer of high-quality Dust suppression chemicals for a wide range of industrial applications. With a strong commitment to innovation and environmental sustainability, Eco friendly with Economical Advantages. We have collaborative Project of Dust suppression chemicals with CIMFR-CSIR (Dhanbad) we deliver effective solutions to control dust in mining, construction, material handling, and other heavy industries. Our advanced formulations are designed to improve air quality, enhance site safety, and ensure compliance with environmental regulations. At Syntron, quality and customer satisfaction are at the core of our operations, supported by a dedicated R&D team and modern manufacturing facilities. We work closely with clients to understand their specific needs and provide tailored solutions that boost operational efficiency while promoting a cleaner, safer environment. Syntron Industries Private Limited is proud to be a trusted partner in dust management, contributing to sustainable industrial growth.



SYNTRON®

DUSTRON-PC COAL

(Dust Control for Coal & Brown Coal/ Lignite Unpaved Roads)

DUSTRON PC COMPOUND

(Dust Control of Metal / Non-metal Mineral Mines Haul Roads)

DUSTRON PC COMPOUND

Mineral / Coal handling from stock



yard / Blasted materials

DUSTRON PC COMPOUND

Fly ash Handling through SILO / Conveyor

DUSTRON XT COAL / COMPOUND

Dust Control for Wagon Tippler & Dumper Unloading to Crusher House, Conveyor to Conveyor transfer Screening, etc. for COAL / METAL & NON METAL MINERAL handling plants.

DUSTRON FM

Film forming product over the fine loose stock MINERAL / COAL dust to prevent airborne dust from the stock piles & also for waste dump yard.

FIXTRON

For Dust Control in waste Dump yard of solid waste mineral & / Or Coal fine materials.

DUSTRON FM & FIXTRON

Mining Waste, Dump yard, Dump yard, Dump Yard, Fly Ash Stockyard / Pond



www.syntron.in

TAPPETBOX

Cloud-Based Software (SaaS) for the Infrastructure & Mining Industry



TappetBox
agility · efficiency · synergy

TappetBox is a specialized Software-as-a-Service (SaaS) platform tailored for the infrastructure and construction domain. Designed with over 26 years of industry expertise, TappetBox bridges the communication gap between project sites, head offices, and stakeholders—streamlining asset, maintenance, and inventory management across the equipment lifecycle.

CORE OFFERINGS

- Digital Asset Management: Centralized platform to track equipment details, documents, and performance.
- Predictive Maintenance & Ticketing: Capture defects early, reduce breakdowns by 21.25%, and maintenance costs by 18.5%.
- Daily Log Sheets & DPRs: Monitor fuel usage, counter logs, expenses, productivity, and more.
- Inventory & Spare Parts Management: From requisition to consumption, with forecasting tools.
- Compliance & Documentation: Track statutory requirements with timely alerts and audit-ready documentation.
- Fuel Management: Monitor approved vs. actual consumption and optimize operational costs.
- Custom Reporting: 50+ ready-to-use and customizable BI reports for performance insights.
- Mobile & Web Accessibility: Easy-to-use interfaces for on-site teams and head office stakeholders.

UNIQUE ADVANTAGES

- Designed for Indian infrastructure & mining environments
- Minimal learning curve for teams
- Web and mobile application
- Ready-to-deploy with instant ROI
- ERP/SAP integration capability

PROVEN IMPACT

- 18.5% reduction in maintenance costs
- 21.25% drop in equipment breakdowns
- 31% boost in operational efficiency

CLIENTELE

- Trusted by 90+ leading infra companies managing 20,000+ assets, including:
- L&T Limited, NCC Limited, HG Infra, RVR Projects, Jindal Infra, Maheshwari Mining, and more.

ASSET / FLEET MANAGEMENT

Software Application for Fleet Management which includes

- Asset Mapping
- Compliances
- Documentation
- Service Tracking and Spare Forecasting
- Tickets for Breakdown Maintenance
- Digital Logsheet for Readings, Fuel, Productivity, Operator details etc.



INVENTORY MANAGEMENT

Software Application for Inventory Management, which includes

- Procurement Cycle (Indent -> PR -> PO -> Purchase)
- Consumption Cycle (Demand -> Allocation -> Consumption)



SITE AND ASSET PRODUCTIVITY TRACKING

- Track Site and Asset Productivity and map them as per the targets.
- Set your budget and notional earnings to get the real time status.



www.tappetbox.com

TEMPCON

TEMPCON has grown phenomenally within 38 years to one of the India's trusted manufacturers of Process Cooling Solutions, providing our clients with reliable and effective chillers.



Our long experience & knowledge has led us to specialize in different areas of expertise, successfully supporting leading companies in their field.

Formerly, we started as a service center for room air conditioners operating from a garage space.

Then in 1983 TEMPCON, as a proprietary company, started manufacturing room air conditioners with a small business set up.

In 1990 factory was shifted to a manufacturing unit in Kasba Industrial Estate.

In 2006 TEMPCON became a Partnership Company, and in the same year we started manufacturing Industrial Process Chillers.

In 2010 We started exporting substantial number of chillers to Nepal, Bangladesh, Middle-east, Africa annually. In the same year TEMPCON acquired ISO 9001 certification.

To cater the rising demand of Process Chiller in Pan India and International market, Tempcon has expanded its factory set up with advanced manufacturing and testing facility for both Air Cooled and Water-cooled chillers in 2019.

In 2020 Tempcon accomplished CE certification.

In 2022 Tempcon launched a new branch in Guwahati to cater North East clients. We abide by the Environmental Norms by using pollution free, eco-

friendly components, working environment. In that respect, we got selected by UNDP and Ozone cell to receive fund for phasing out HCFC in 2022.

In 2023, Tempcon launched two new products – the Grain Chiller and the Sortex Room Air Conditioner and received the ISO 14001:2015, ISO 4500:2018, and ZED certifications. It also acquired new land for expansion.

In 2024, Tempcon started manufacturing industrial air conditioners and crane air conditioners specially designed for the steel, power, and food industry.

Water-cooled chillers are primarily used for large-scale cooling applications, including industrial processes. They are efficient for removing heat from processes or spaces, particularly where a consistent supply of cool water is needed.



A panel air conditioner is a special type of air conditioner used in industrial areas. It is designed to prevent excessive heat that may occur inside electrical panels. These systems are used to control the indoor temperature and ensure the safety of electrical panels.



An air-cooled chiller uses ambient air to reject heat, providing a cooling solution for various applications. It circulates a refrigerant or chilled water through a system, absorbing heat from the space and transferring it to the surrounding air.



Crane cabs can get extremely hot. Crane operators need to work in a safe and productive environment so that factories, plants, and smelters can work efficiently. Tempcon brings you the all-new crane AC with superior cooling capacity and a corrosion-resistant body. Keep the crane cabs cool with our dust-proof and rugged crane air conditioners.



Is your business space always humid? You shouldn't let it stand because it leads to faster bacteria growth and corrosion of metals. If you have humidity issues, then a Tempcon industrial dehumidifier is the right solution.



It controls moisture levels in a closed environmental area by removing excess water from the air. It can help to prevent corrosion, mold growth, and other problems that can damage equipment and products. Tempcon dehumidifier chillers are refrigeration-type dehumidifiers. We don't manufacture desiccant-type dehumidifiers.



Optimise your production process with Tempcon Industrial AC – the low maintenance and high efficiency process cooling system. Maintain precise and consistent temperature and level up your manufacturing process with the most energy efficient and environment-friendly industrial air conditioner from Tempcon.

www.tempcon.co.in

TERRAFORM GEOTECHNICAL SERVICES PVT. LTD.

Terraform Geotechnical Services Private Limited is a forward-looking company with a focused approach to provide global and innovative engineering solutions to the Indian market. Using cutting-edge technology with the highest standards available in the fields of geotechnical and foundation engineering, we provide turnkey solutions in tunnelling, mining, road construction, slope stabilization, dam rehabilitation, riverbeds, dredging and shotcrete.



Terraform supplied the customized equipment's for drilling & grouting, grouting accessories, geotechnical investigation & ground engineering, slope stabilization, dredging, non-blast rock excavation, Concrete and shotcrete

pumps, after-sales service.

Terraform provides consultancy, customized solutions, standard and tailor-made equipment, tools, accessories, and after-sales service support. We offer both theoretical and practical knowledge by undertaking AMCs by providing skilled engineers/technicians/operators. We deliver long-term benefits to customers by combining the selection of equipment, accessories, and services.

Dragflow submersible pumps and accessories for application in the fields of dredging, industry, mining, offshore and construction.

Dragflow manufactures designed Heavy duty dredging pump version Hydraulic and Electrical Pumps with side Cutter / centre cutter and Jetting systems.



Electric Heavy duty Pump range - Power: from 3.7 kW (5 hp) to 240kW (322 hp) /Flow rate: up to 3500 m³/h and Discharge diameter: up to 450 mm (18 inch).

Hydraulic heavy-duty pump range Power: from 13 kW (17 hp) to 475kW (630 hp)/ Flow rate: up to 4500 m³/h and Discharge diameter: up to 450 mm (18 inch).

Dragflow have efficient and safe remote-controlled dredge (DRP). Easy To handle and versatile cable dredges(DRH).Crawler Multipurpose amphibious dredge (DRM and DRSP)

Wassara develops and manufactures energy efficient and high-performance water powered drilling systems for application in mining, ground engineering, tunnelling, dams and urban geo segment.



Wassara 's technology uses water to power the hammer. This provides superior benefits and possibilities in mining. Wassara meets the need for drilling deeper and narrower holes, more cost-efficiently and in a more environmentally friendly way. This makes water-powered technology the optimal choice.

Wassara provides DTH hammers, drill bits and drill rods, high pressure water pumps and explorer to check the hole deviation.

Water powered hammers available in various sizes from 2" to 12". This makes it the ideal choice for drilling in sensitive areas as well as for drilling long straight holes.

The water-powered hammer is capable of penetrating almost any formation while maintaining speed and accuracy.

Massenza designs and produces a complete range of rigs for exploration drilling for depths up to 2900m. With a name known all over the world for reliability and quality.

All Massenza rigs for exploration drilling can also be MULTIPURPOSE and satisfy the needs of different final applications at once.



Massenza can do vertical drilling up to 45° angle and MM series for all-direction core drilling.

Several rotary heads for all drilling methods

- High speed rotation for diamond coring
- Direct circulation by mud or air
- Reverse circulation by DTH hammer

Different types of control panel, including radio remote control, which enables the working operations smooth and speed.

Complete series of accessories like a full range of pumps, high-speed wireline winches with cable guide, cyclones of various sizes, cuttings collection hoses and much more.

www.terraformgeotech.com

TH COMPANY

TH COMPANY, India (THCO INDIA PRIVATE LIMITED) is 100% own subsidiary of TH COMPANY, Spain. TH COMPANY has presence in India since last 15-20 years in the field of Mining sector providing solution for Filtration of Iron ore concentrate and tailings, Coal, Chromite. Seeing the demand for dewatering solutions, India office opened in September 2019. Since then, TH COMPANY, India has progressed, and is now, with employee's strength of forty, one of the major player working in the field of Testing, Process Plant Design, Detail Engineering, Manufacturing, Commissioning, Operation and Plant/Equipment Service for Beneficiation and processing plants, providing a one stop solution to our customers.



TH COMPANY, India has added Grinding and Pelletizing Technology (upto to formation of Green Ball) to its portfolio by entering into exclusive agreement with CEMTEC, Austria for manufacturing, sales & services in the Indian market. The association enables us to offer solutions for the projects in the Grinding and Pelletizing section.

To cater the iron ore beneficiation requirement and to provide complete solution for the Iron Ore Industry, TH COMPANY, India has added wet high intensity magnetic separator to its portfolio by joining hands with GAUSTEC, Brazil. In the association, TH shall be exclusively responsible for marketing, manufacturing, project execution and after sales services for GAUSTEC products in India.

With these association TH COMPANY, India can now offer following solution/equipment/services for your upcoming project:

- Plant Engineering Services
- Rotary Drum Scrubber/Washing Trommel
- Grinding Circuit (Mills)
- Wet High Intensity Magnetic Separators (WHIMS)
- Filter Press and its associated circuits
- Pelletizing Discs
- Mixers
- Additive grinding system
- Rotary Dryers
- O&M services for the equipment's/circuit offered

TH COMPANY with its associations focuses on providing the end-to-end solution to Iron ore beneficiation plants & Pellet plants. This ensures the effective utilizations of the natural resources and enables towards sustainable industry.

APNH FILTER PRESS

The APNH filter press family represents a new standard in heavy-duty dewatering technology. Designed to excel in the most demanding applications, such as dewatering metal ores, coal, industrial minerals, and tailings, these filter presses combine robust engineering with operational efficiency to deliver exceptional results.



They are highly versatile and can be customized to meet a variety of industrial needs. The equipment supports plates made from different materials, available in various sizes and configurations, including chamber and membrane options. Additionally, the filter presses offer a range of plate pack opening systems, ensuring they can be optimized for specific processes and environments.

CEMTEC is world leader in Grinding & agglomeration technologies. It has supplied different type of grinding solution around the world across different minerals, Pet Coke grinding, Gold, Coal, Cement etc. TH COMPANY, India in collaboration with CEMTEC, Austria offers grinding solutions from concept to commissioning. This includes analysing the raw material, understanding product requirement, test work, if required and designing the grinding circuit specific to customer requirement.



Ball Mill (5.6 x 9.5 m)

Cemtec has experience of supplying more than 550 Mills including Rod Mill, Ball Mill, SAG Mill, AG Mill, VRM with biggest Ball Mill of 8.2 m in diameter. Cemtec has its footprint in India since 2009 with most of the reference in Iron Ore, has successfully supplied Mills, Pelletizing Disc and Washing Drums.

Some of the milestones are mentioned below:

- SAG Mill – Size Ø 10.4 X 6.2 m (15.0 MW)

- Ball Mill - Size Ø 8.2 X 14.0 m (21.0 MW)
- Cement Mill - Size Ø 5.2 X 16.75 m (8.4 MW)

Ball Mill (CEMTEC Make) – 5.6 X 9.5m Dia -2 Sets, each ball mill is having a capacity of 300 Tonnes per hour. The Ball Mill is powered by dual drive of 2600KW each.



GAUSTEC is a world leader in providing technology for wet high intensity magnetic separation for application in concentration of both magnetic and paramagnetic minerals.

With more than 30 years of industrial experience & backed by R&D, GAUSTEC has continuously innovated in the field of magnetic separation by developing

GHX-1400, High-capacity machine - 1400 tph

- Machines with magnetic intensity up to 2.2 Tesla
- New designed matrix for processing ultra fines particles less than 45 microns
- Multiple stages of separation in single machine like (Rougher-Cleaner & Scavenger stages)



Magnetic Concentration Mobile Plant: With magnetic separators mounted on trailers and capacities of up to 450 tph per unit, GAUSTEC's Magnetic Concentration Mobile Plants are the practical and effective solution for projects with a short life cycle or that require expedited implementation especially for the recovery of iron values from the tailing dams. Presently, three of such plants are working successfully in Brazil recovering iron values from the tailings lying in dams.



CEMTEC Make Pelletising Disc for the Iron Ore Pellet Industry is being designed and manufactured in India. 7.5m PTD is a standard product for the Green Ball formation upto 18mm.



www.thprocess.com

THE BISRA STONE LIME COMPANY LTD., BIRMITRAPUR

BSLC was established in the year 1910 by BIRD & Co.

Came under the Administrative Control of Government of India, Ministry of Steel in 1980.

Became a PSE in 2010 and became a Subsidiary of RINL, Visakhapatnam.

Major customers are SAIL, RINL Steel Plants and JSW Cements

BSLC produces BF Grade Dolomite, BF/Cement Grade Limestone and Low Silica Dolomite

Limestone Size – (15 -50) mm, B.F Grade, CaO% 44.0(minimum), SiO₂% 6.5(max.), MgO% 3.5%

Limestone Size – (0 -15) mm, Cement Grade, CaO% 42.0(minimum), SiO₂% (7-9), MgO% (3-4.5)

Dolomite Size – (15 -50) mm, B.F Grade, MgO% 19.5(minimum), SiO₂% 4.0(maximum)


Dolomite Size – (30 -60) mm, SMS Grade, MgO% 20(minimum), SiO₂% 2.5(maximum)

Dolomite Size – (0 -5) mm, B.F Grade, MgO% 19.5(minimum), SiO₂% 4.0(maximum) T.I% 6.5(max.)



www.birdgroup.co.in

THE EIMCO KCP LTD., CHENNAI

The EIMCO-KCP Ltd is a leading process technology company specializing in  THE EIMCO-K.C.P. LTD. SOLID-LIQUID separation equipment for industries like minerals & metals, chemicals, refineries, pulp & paper, and water treatment. With 50+ years of expertise, it offers filters, thickeners, clarifiers, aerators, mixers, and mineral beneficiation solutions.

Originally a joint venture with Eimco-USA, it became a wholly-owned subsidiary of KCP Ltd in 1984.

The company has ISO 9001, ISO 14001, and ISO 45001 certifications and operates multiple manufacturing facilities in Chennai and Trichy.

HORIZONTAL VACUUM BELT FILTER

A high-capacity continuous filtration system designed for dewatering mineral slurries. Utilizes a moving porous belt and vacuum pressure to achieve efficient solid-liquid separation. Offers superior cake washing, low residual moisture, and high throughput, making it ideal for mineral beneficiation, tailings dewatering, and concentrate recovery.



ROTARY VACUUM DRUM FILTER

A rotating drum with vacuum-assisted filtration, effectively separating fine mineral solids from process slurries. Available with multiple discharge options, including scraper, belt, and precoat, to optimize cake removal. Used in metal refining, coal preparation, and hydrometallurgical operations for consistent and efficient dewatering.



THICKENER(CONVENTIONAL/HIGH-RATE)

Sedimentary type gravity settlers designed for mineral slurry concentration. Available in high-rate and conventional designs with mechanical or hydraulic drive options. Enhances water recovery, reduces tailings volume, and optimizes process efficiency in mineral extraction, leaching, and refining operations.



SPIRAL CLASSIFIER

A gravity-based classification unit that separates coarse and fine mineral particles using a rotating helical screw. Essential for closed-circuit grinding, desliming, and dewatering in mineral beneficiation plants. Provides precise particle size control, ensuring efficient downstream processing in flotation and gravity separation circuits.



CLARIFIERS

Sedimentary type gravity settlers designed to remove suspended solids from process water in mining operations. Produces high-clarity overflow for reuse and thickened underflow for tailings disposal. Used in beneficiation plants, hydrometallurgy, and acid leaching processes to improve water recycling and reduce environmental impact.



HIGH RATE SOLID CONTACT CLARIFIER

Sedimentary type gravity settlers designed for integrating chemical dosing, mixing, and sedimentation in a single unit. Enhances flocculation kinetics, allowing rapid settling of fine mineral particles. Improves process water clarity, minimizes reagent consumption, and optimizes tailings management in complex mineral processing circuits.



www.ekcp.com

THEJO ENGINEERING LTD.

Thejo Engineering is a globally trusted partner and industry trailblazer, delivering world-class solutions in bulk material handling, mineral processing, and special-purpose machinery. Driven by innovation, sustainability, and a commitment to excellence, we enhance industrial efficiency and reliability across sectors.

We offer comprehensive services in conveyor care, wear and corrosion protection, filtration, and screening to industries such as mining, cement, power, metals, paper, food, and aggregates.

With integrated manufacturing, marketing, and service capabilities under one roof, Thejo stands as the one-stop solution provider in the region. Our global presence includes subsidiaries in Australia, Saudi Arabia, UAE, Brazil, and Chile.

Headquartered in Chennai, India, we operate five advanced manufacturing facilities and a DSIR-recognized R&D Centre. Evolving from a partnership firm, Thejo is now a publicly listed company and was the first to be listed on India's NSE EMERGE platform.

TRANSFER POINT SOLUTIONS

Thejo provides end-to-end transfer point solutions, including spillage and dust control, belt sway correction, and flow promotion. Backed by advanced simulation tools, robust products, and expert teams, we ensure easy installation, durability, and low maintenance. Our services cover installation, commissioning, and maintenance, including annual contracts, for optimal conveyor system performance.

A well-maintained transfer point enhances conveyor efficiency, reduces spillage cleanup costs, and ensures continuous plant operations. Key containment stages include loading, running, and discharge points. Proper skirt sealing, belt support, and belt tracking minimize spillage and structural damage. Belt cleaners control carry back at conveyor discharge and air cannons eliminates the jamming and enhances the flow of material in chutes, bins and silos.

VAT AND GRID PLATE

Enhance your filtration system with Thejo's advanced VAT plates and HIPO® brand Grid plates for vertical pressure filter presses. Made from durable, chemical-resistant polymers like polyethylene and polypropylene, these components ensure optimal flow, high abrasion resistance, and maximum solid retention. Precision-engineered VAT plates offer seamless integration and efficiency, while HIPO® Grids support filter cloth and aid filtrate drainage. Designed for performance and reliability, both are customizable to suit various industrial applications. Trust Thejo Engineering for filtration solutions that deliver durability, consistency, and superior results with every cycle.

MILL LINERS AND TROMMEL

Thejo offers complete mill lining and screening solutions, including liners for Feed Head, Shell, and Discharge Head, as well as Grator Trommel Screens. Designed for SAG, ROD, Ball, Re-Grind, Ceramic, Pebble Mills, Scrubbers, and Debarking Drums, our liners and trommels ensure optimal performance and durability. Liners are available in rubber or composite materials, tailored for specific conditions. Trommel screens feature rubber-lined frames, replaceable panels, and dams for efficient screening. Backed by field expertise and simulation-driven designs, Thejo delivers high-quality, wear-resistant solutions to End Clients, OEMs, and EPCs globally—ensuring reliable throughput in the most demanding grinding and screening applications.

OX-N BELT HANDLING EQUIPMENT

The OX-n Belt Handling System by Thejo includes Belt Coilers, De-coilers, and Conveyor Stands, all designed and manufactured to meet specific customer requirements. Belt Coilers efficiently pull and wind old belts, while De-coilers ensure a continuous feed of new belts into conveyor systems. Both are

available in hydraulic or electric drives, and portable or stationary configurations. Belt Stands support spools—round or race track types—with optional braking systems. The size and capacity of each unit depend on belt length, width, weight, and thickness, ensuring tailored solutions for varied operational needs across industries.



RHINO LINERS/ HYDRO CYCLONES AND WARDOG

Thejo's RHINO Liners, made from Rubber, Polyurethane, or combinations with ceramic or steel, protect equipment from wear during material handling. RHINO-R, RHINO-M, RHINOCER, and RHINO-PU are engineered for high-impact and abrasion resistance, with RHINOCER featuring 90–92% alumina ceramic tiles for superior durability and material flow. WARDOG Sheeting, crafted from premium natural rubber, offers excellent resilience, cut, tear, and wet abrasion resistance—ideal for chutes, tanks, and sumps. Thejo also fabricates custom hydro cyclones with rubber or ceramic-lined interiors and supplies high-performance rubber liners for pump casings, delivering extended wear life and reduced downtime in tough applications.



AUTO CLAVE

Thejo offers both electrically heated and steam autoclaves tailored for rubber industry applications. Designed for curing hoses, tires, belts, and rubber linings with high efficiency. Equipped with PLC-based process automation for precise control and repeatability. Features quick door locking mechanisms to reduce cycle time and enhance safety. Integrated with pneumatic and hydraulic handling systems for smooth material movement. Includes robust mechanical safety interlocks and complies with global safety standards. Available in horizontal and vertical configurations to suit varied production needs. Supports high-pressure curing essential for rubber product performance. IoT 4.0 enabled with ERP/SAP integration for smart manufacturing ecosystems. Aligned with ESG goals – electric models offer a low-emission, eco-friendly alternative to traditional steam systems.



O&M, CONVEYOR BELT AND CONVEYOR SERVICES

Thejo brings 50 years of expertise in O&M /conveyor belt & services, including splicing, lagging, belt replacement, monitoring systems, and lining—all with a strong focus on safety and quality. With a nationwide presence and 24/7 support, our Service Division ensures prompt, reliable assistance. We also supply high-quality adhesives, vulcanizing machines, coilers, and de-coilers. Our TEZ belting is recognized for durability and performance. We deliver plant audits, operational excellence (OEE), maintenance solutions (MTBF/MTTR, RCFA), and CAPA, backed by robust systems. Through Sustainable Synergetic Solutions (SSS), we prioritize safety, technical expertise, and performance-driven reliability across the material handling industry.



www.thejo-engg.com

TKIL INDUSTRIES PVT. LTD.

TKIL Industries Pvt. Ltd. (formerly thyssenkrupp Industries India Pvt. Ltd.) is a prominent name in the engineering sector, specialising in the design, manufacture, supply, construction, and maintenance of industrial plants and systems. Since its inception in 1947, TKIL Industries has been at the forefront of scaling up new technologies every decade and delivering cutting-edge solutions in mining, cement, energy, green hydrogen, boilers, sugar, and bio-chemical industries, contributing significantly to industrial growth in India and around the world, driven by its world-class manufacturing facilities and large workforce for engineering, project, construction & execution and life cycle service including operations and maintenance.

TKIL Industries
(Formerly thyssenkrupp Industries India)

STACKER

TKIL Industries manufactures Rail Mounted Stackers in a variety of configurations. These rugged, operator friendly stackers are designed after carefully taking into consideration functional requirements like throughput, mobility and automation (semi or fully automatic) as well as operational requirements like luffing and slewing.



BUCKET WHEEL RECLAIMERS

TKIL offers The Rail Mounted Bucket Wheel Reclaimers, for various types of material, have built-in safety elements and hydraulic systems to ensure smooth operations.

Available with either fully or semi-automatic control systems, these machines guarantee not only uniform reclaiming of stockpile but also the highest degree of economy and efficiency.



COMBINED STACKER-RECLAIMERS

Combined Stacker-Reclaimers are single unit machines which can operate in both stacking and reclaiming modes separately.

Not only are these systems economical alternatives to those which involve separate reclaimer and stacker, but they also permit a high degree of automation in both modes of operation.



TKIL also manufactures Reversible Stacker-Reclaimers for use in cases where the layout does not permit unidirectional flow of stockyard conveyors. These machines can be offered with the conventional cross conveyor system or with retractable tripper.

Combined Stacker-Reclaimer can be used for blending/ mixing different types of coal for power plant applications.

CIRCULAR STACKER CUM RECLAIMER

Some sites have space restrictions for material storage and the required reclaiming capacity is in the low to medium range. For such cases, TKIL offers circular stacker cum reclaimer machines. These machines have a stacking boom at the top and a separate scraper boom for reclaiming. A central column is fixed with the civil foundation on the bottom side and the incoming conveyor gallery at the top. A circular stacker reclaimer is highly efficient in terms of space utilization for material storage and this solution is gaining popularity in India and abroad.



FULL PORTAL/SEMI PORTAL SCRAPER RECLAIMER

A portal scraper reclaimer consists of one or two scraping booms depending on design requirements. The rail span of such machines covers the full width of the stockpile and equipment is supported on a portal structure. A semi-portal reclaimer is a similar machine with a single boom having one of the two rails at an elevated level. This typically operates with a travelling tripper. Semi-portal reclaimers are popular in vertical storage stockyards having a distinct advantage in space utilization.



APRON FEEDERS

TKIL offers Apron Feeders, in different sizes and capacities; for a wide range of applications, with electro-mechanical or hydraulic drives to suit customer requirements.



TKIL Apron Feeder applications vary from

in-plant to mine installations. Apron Feeders are suitable for stationary, semi-mobile or mobile crushing installations.

TKIL offers Apron Feeders with 'in board' as well as 'out board' chain designs. Use of special material makes these Apron Feeders more reliable, maintenance friendly and more silent with lower-power consumption.

PADDLE FEEDERS

TKIL has developed Paddle Feeder machines with a large range of capacities, which come with both electrical as well as hydraulic drives.



TKIL Paddle Feeders ensure high reliability, compactness in design, low power consumption, operational simplicity and ease in capacity variation thus making them ideally suitable for operation in mines and thermal power stations

SCREENS

TKIL offers a range of high efficiency Screens can be offered wherever screening is required before or after crushing. We have wide range of screens such as Vibrating grizzly screens, roller screen, special purpose Screens like Eccentric Disc Screens are also available for handling sticky materials.



CRUSHERS

TKIL offers a wide range of Crushers that are designed to take on any crushing job. Different types of crushers are used for crushing different types of materials — ranging from soft coal to very hard iron ore. Each type of crusher comes in various sizes, with selection dependent on the requirement of particular capacity, feed and crushed product size. They can be offered for stationary and mobile applications.



Product Range

- Double Roll Crushers
- Ring Hammer Will Ring Granulator
- Rotary Breakers
- Jaw Crushers
- Hammer Mills
- Cone Crushers

WAGON TIPLERS

TKIL manufactures a wide range of Tippers, including Side Discharge Tippers and Rotary Tippers for railway wagons. These tippers can handle wagons of various widths, heights and lengths.



TKIL Side Discharge Tippers, available with both mechanical and hydraulic tipping drives, are capable for 25 tips per hour or more according to new RDSO design guidelines

TKIL Single and Twin 'C' type rotary tippers unload the wagons by turning them through 180 degrees. A hydraulic holding system secures the wagons from side and top during tipping process.

Advantages of Twin Wagon Tippler

- Wagon unloading capacities are doubled
- For a 25 Tips/ hr wagon tippler, 50 wagons will be unloaded in 1 hour, leading to a faster turn—around of Rakes

CONVEYOR SYSTEMS AND OVERLAND/ LONG-DISTANCE CURVED CONVEYORS

TKIL has a large presence in the field of Cross-Country Conveyors and Pipe Conveyors.



TKIL also manufactures and executes long distance cross-country curved conveyors.

PIPE CONVEYORS

TKIL Industries Pipe Conveyors are manufactured from high-grade materials and proven components to give maximum reliability.



Numerous Advantages

- Ability to negotiate 3-D curves, resulting in minimum requirement of transfer points.
- Material being transported is protected from wind, rain and other environmental hazards.

- Dust and air-borne emission is avoided.
- Pipe conveyors require minimum space, have stable running characteristics in all operating modes, and can be routed through narrow curves or up sharp inclines.

IDLER ROLLERS AND PULLEYS

TKIL Industries manufactures critical components like idlers and pulleys in its manufacturing facilities

Every single idler roller undergoes a freewheel test before delivery and use to ensure optimum quality and performance.

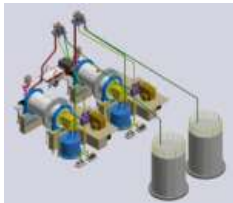


TKIL Industries experienced design capabilities and the deployment of the best fabrication techniques and top-quality materials make TKIL Industries conveyor pulleys operationally reliable.

GRINDING SYSTEM

Apart from crushing & screening TKIL is providing machinery & equipment for grinding system for wet limestone used in Flue Gas Desulphurization.

The system is designed to grind the limestone to fineness of up to 325 mesh for FGD application. The system comprises of feeders, grinding mill, hydro-cyclones & slurry pumps for product separation and slurry handling unit.



STATIONARY / SKID MOUNTED CRUSHING & SCREENING PLANT

TKIL offer a comprehensive range of equipment and services for Stationary / skid mounted two-stage, three-stage and four-stage configurations with processing capacities ranging from 150 TPH to 300 TPH. Flowing from our in-depth technical and application knowledge and invaluable field experience, we provide complete solutions which are vital for the execution of various infrastructure projects.



SEMI MOBILE CRUSHING & SCREENING PLANT

TKIL offer a comprehensive range of equipment and services for Semi mobile two-stage and three-stage configurations with processing capacities ranging from 150 TPH to 250 TPH.



www.tkil.com

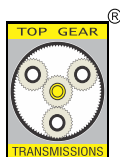
TOP GEAR TRANSMISSIONS

We are pleased to introduce ourselves as a leading manufacturer of Planetary Gear Boxes & Geared Motors, Helical Gear Boxes, Parallel Shaft Helical Gear Boxes, Custom Built Gearboxes & Winch Drives.

Top Gear Transmissions have its own identity by having International Standard ISO 9001:2015 Certifications. Short delivery time & efficient after sales service are basic aspects of the organizations that Top gear Transmissions offer to the customers with the commitment of everybody in the organization to improve the level of quality of product & services. This is also recognized by the number of satisfied customers in India & abroad.

Top Gear Transmissions have its state of art machining setup & team of experienced professionals & with latest design software techniques we ensure the best quality & services to the customers. We had supplied Gear Boxes to Mining, Chemical, Cement, Steel, Plastic, Construction, Earth Moving, Material Handling, Sugar & Crushing so on...

Top Gear Transmissions Designing and Manufacturing of high precision Industrial speed Reduction Planetary Gear Boxes & Geared Motor, bevel - Planetary, Winch Drives, Custom built and Import substitute gearboxes used for Specific applications like Earth moving Equipments, Hydraulic power drive, Traction Drive, PTO Drive, Mobile crane, Material Handling Equipment, Reactor Vessels, Rotary Vacuum Dryers, Agitator, Gear Box for Separation of Solid and liquid, Decanter Application etc., Our Strength is Computer Aided Design and



well experienced, qualified, Technical workforce. We are regularly exporting to various countries like USA, UAE, Korea, Russia, Australia, South Africa and some developing country too.

PLANETARY GEARBOX

Our continuous R&D and experience of more than two decades have enabled us to Cater the growing needs and requirements of various industrial applications by offering a wide series of modular design planetary gearboxes, with different Mountings (foot, flange, shaft) and different input and output configurations (Solid, Hollow, Splined, shrink disc etc.). High flexibility and customization to suit various mountings for particular applications, high efficiency, high torque to weight ratio (compact) and wide range of gear ratios have helped us to carve out our name as "Prominent Manufacturers of planetary gearboxes".



PARALLEL SHAFT / BEVEL HELICAL GEARBOX

Top Gears HG series Parallel shaft helical gearboxes and bevel helical gearboxes are designed for wide variety of applications taking into consideration various customer needs. High operating torque, reliability and long life are some of the key features which makes us renowned for delivering this product. The casing of these gearboxes is made up Graded cast Iron or M.S. Fabricated. The internal gears are made up of high Grade Nickel chrome forged steel which under goes case hardening and Gear Teeth Profile grinding is done for its ultimate accuracy. These gear units are produced with good state of the art design, material, and manufacturing technologies for maximum efficiency and reliability with huge cost benefits. Commitment in delivering this factors consistently have resulted us to deliver this high quality product for various industrial applications from past 20 years.



WINCH DRIVES

Top Gear offers Winches in two different variants, Electric winch and hydraulic winch. This is unique product from Top Gears product basket and contributes for its largest share amongst available products. Different series of winches are available for loading capacities from 0.5 tonnes to 50 tonnes. This product finds its wide applications in various industries like all terrain trucks, mobile cranes, ship loaders and many more.



BEVEL PLANETARY DRIVES

Top gear has designed Bevel planetary drives taking into consideration its intended function to fit in given space constraint. Available in two different types of mountings, Foot and flange with different input and output configurations. Total Bevel planetary drive series is offered in 14 basic sizes.



TRACK DRIVE

Top Gear Transmission has got a wide range of Track Drives (TD) series. These drives are used in Crawler driven machines such as Hydraulic Excavators, Drilling Rigs, Bulldozers, Cranes etc. Rugged design of these track drives with taper roller bearings are available with single stage, double stage or triple stage depending upon speed ratios. With an facility of parking brake and Neutral arrangement if required.



SLEW DRIVE GEARBOX

Top Gear has designed slew drive series to enhance the rotary movement of various equipment's. Slew drive series consists of wide range of drives suitable for hydraulic and electric prime mover with inbuilt parking brakes along with a drive pinion. Unique feature of slew drive has special bearing to take care of inertial, radial and thrust loads.



www.topgeartransmission.com

TRIDENT INTERNATIONAL PVT. LTD.

Trident, established in 1997, is a manufacturer and supplier of speciality tyres and tracks. Trident has developed high performance tyres & tracks designed for extreme duty applications including Underground Mining, Construction, Quarrying, Metal & Glass Recycling, Industrial Plants, Material Handling & other demanding applications. Trident is a single window provider of customer specific tyre solutions & carries large inventory for prompt delivery. Recognized as a Star Export house, the products are manufactured under TRAXTER brand and serves customers in over 35 countries including North America, Europe, Africa, Middle East, Asia Pacific, etc.

Products and Services offered include Puncture Proof Solid Industrial and Foam filled Tyres for:

- Mining Equipment
- Construction Equipment
- Aerial Work Platforms
- Material Handling Equipment
- Port Equipment



For more information visit:

UNDERGROUND MINING TIRES (SM SLICK & SSK-01 ALL TERRAIN)

<https://www.trident-intl.com/industrial-tires/#underground-mining-tires>

MINING & EARTHMOVER WHEELS AND RIMS

<https://www.trident-intl.com/wheels/#earthmover-wheels-rims>

PU-FOAM FILLING

<https://www.trident-intl.com/services/#pu-foam-filling>

www.trident-intl.com

UNICON ENGINEERS

We are an ISO certified company name as UNICON ENGINEERS. We are into AIR POLLUTION CONTROL EQUIPMENT like ESP (Electrostatic Precipitators), BAG FILTER HOUSES and Other Material Handling Systems like Ash Handling Systems, Fuel Handling Systems, Coal handling Systems, Pneumatic Conveying Systems etc. We are enclosing herewith our company catalogues and Company Profile for your kind perusal.



The below are our regular offerings in the market

- ESP (Electrostatic Precipitator)
- Upgradation of existing ESPs to meet the stringent Air Pollution Control norms and Spares for all make of ESPs.
- Bag Filters / Bag houses / DE Systems / Dust Extraction Systems / Dedusting Systems.
- Pneumatic Conveying System / Ash Handling Systems
- Double Cone Valves, RAV/RAL, Slide Gates, Clam Shell Gates, Dome Valves, Double flap Valves, etc.

www.uniconinter.com

VATSAV ENGINEERING PVT. LTD.

Vatsav Engineering Pvt. Ltd. is in to Design, Manufacture & Supply of Customized attachments for Wheel Loaders / Tele Handlers / Forklifts as per customer requirement. Vatsav Engineering Private Limited has so far successfully installed Tyre Handler Attachments, Cable Reel / Unreel / Laying Attachments, Quick Hitch Attachments, Manual Tyre Handlers & many customised attachments. Vatsav Engineering Private Limited is the first in Indian mining industry to have successful installations for Quick Hitch Tyre Handler Attachment for a Wheel Loader, Cable Reel / unreel / Laying attachment for a Wheel Loader & 3 Point Contact Tyre Handler. Vatsav Engineering Pvt. Ltd. feels proud to having served to Indian Army as well with their Manual Tyre Handler for their TATRA Trucks.



Tyre Handler Attachment to any wheel loader, Vatsav Tyre handler is customised based on requirement & has Quick Hitch Options as well, Our quick hitch attachments has a change over time of less than 10 minutes between attachments.



3 Point Contact Tyre Handler for Telehandlers, Vatsav Engineering Private Limited probably is the first to introduce 3 Point Contact for Indian mining industry a indigenously designed & manufactured product. Presently we have designed and manufactured this considering underground mining requirement However the same product is planned with a scaled version for Opencast mining as well.



Our Cable Reeling / Laying Attachments are manufactured as a permanent /detachable component & this allows our customers to work with any prime mover (wheel loader / forklift) as per their choice & availability. This equipment can be used in any site (Roadways / Mining Site) requiring the need to handle Heavy HT / LT Cables. Our Handlers are indigenously designed and manufactured suiting the requirement of our clients. However, we also have standard models up to 70 mm diameter of the cable with a standard length of 300 or 600 meters. Our Cable Handling Attachment provides the flexibility to reel, unreel & laying in any terrain.



Our Tyre Trolleys are used for handling smaller size of tyres used in mining and other industries with diameter up to 1500 mm & weight up to 1000 kgs. These trolleys are specifically designed to improve the tyre change time & reduce fatigue to operators for Scania / Volvo and smaller dumpers.



Quick Hitch Attachments, We are the front runners for quick hitch attachment for wheel loaders used in mining industry. We have integrated a single loader with four attachments viz Tyre Handler attachment, Cable Reel attachment, Jib Attachment & Forklift attachment with our quick hitch to improve the utilisation of the Wheel Loader.



www.vatsav.com

VDMA INDIA SERVICES PVT. LTD.

VDMA (Verband Deutscher Maschinen-und Anlagenbau, Machinery and Equipment Manufacturers Association "represents over 3,600 mostly medium-sized companies in the capital goods industry, making it the largest industry association in Europe. Established in 1892 and based out of Frankfurt, the association represents the shared financial, technical and scientific interests of the mechanical engineering industry, especially with respect to national and international authorities and business groups. For the purposes of safeguarding of their interests, members are entitled to instruction, advice and assistance.



VDMA Mining & Minerals represents well-known, mainly medium-sized companies manufacturing mining equipment and technology for surface and underground mining, processing and conveying of raw materials, supplemented by consulting and engineering services. 145 companies in VDMA

Mining represents more than 90 per cent of the entire trade volume. Important markets are the regions of Europe, North America, China and Russia, the Near/Middle East and, most recently, Australia. Germany is one of the most important suppliers to the Indian mining industry.

Leading German and European manufacturers exhibit a wide range of underground, open cast, material handling and process technology in the German Pavilion organised by VDMA India. It is one of the largest country pavilion at IME so far.

www.vdma.org

VEEDOL CORPORATION LTD.

Veedol Corporation Limited (formerly Tide Water Oil Co. (India) Ltd.), owner of brand Veedol, is a leading manufacturer and marketer of quality lubricants in over 70 countries around the globe. In India, it has been catering to both automotive and industrial segments since 1928.



The Veedol range of products includes high-performance engine oils for passenger cars, two/three-wheelers, heavy commercial vehicles, off-highway vehicles, buses and tractors. It also has gear oils, transmission oils, coolants, brake oil and greases for all automotive applications as well as a wide range of industrial and speciality lubricants catering to diverse industry applications. The entire product range offers appropriate choices for various applications and performance levels keeping pace with the latest technical requirements of OEMs.

AVALON

Veedol Avalon is a range of superior quality anti-wear hydraulic oils that are meant for most industrial applications working under moderate operating conditions. Formulated with proven anti-wear, rust and oxidation inhibitor technology, they provide very good protection to the hydraulic components while inhibiting rust and oxidation thus improving system performance. Performance Specifications: Veedol Avalon meets & exceeds the performance requirements of • IS: 10522-1983 (Reaffirmed 2004) • DIN 51524 Part 1 HL • Vickers V-104C Vane Pump Test Features/Benefits: • Very good resistance to oxidation helps filter blocking and valve sticking. • Outstanding anti-wear protection helps extend hydraulic system component life and reduce maintenance cost. • Good water and foaming resistance provide improved system efficiency. • Excellent rust & corrosion protection prolongs component overhaul interval.



APCOT

Veedol Apcot is a range of high-quality oils that are meant for general purpose lubrication of industrial applications working under moderate operating conditions. Performance Specifications: • IS: 493-1983 (Reaffirmed 1993) Features/Benefits: • Excellent oil film strength. • Very good rust protection, non-corrosive, and non-toxic.



THERM FLUID

Veedol Therm Fluid heat transfer oil is based on carefully selected, highly refined base oils having very good resistance to degradation during high temperature use. It provides excellent oxidation stability and resistance against thermal cracking. Suitable for use in closed type thermic fluid heaters with pumped circulation operating at bulk temperature of 290°C. Also, can be used in open heating systems operating at temperatures up to 200°C. Performance Specifications: Veedol Therm Fluid meets & exceeds the performance requirements of • ISO 6743 Part 12: Family Q • IS 14745:1999 (Reaffirmed 2019) Features/Benefits: • Good heat transfer properties ensure faster process. • Excellent thermal and oxidation characteristics prevent thermal breakdown of oil and prevent sludge build up to offer optimum life and performance of the system. • Low vapor pressure and low volatility provide long and trouble-free service life. • Non-corrosive and non-toxic formulation make this product safe for usage and handling.



LONG LIFE CC GREASE

Recommended for all types of anti-friction bearing used in automobiles including heavy duty commercial vehicles.



www.veedolindia.com

VEGA INDUSTRIAL TECHNOLOGIES PVT. LTD.

We are pleased introduced ourselves, one of the mast trusted experience broad manufacturing of beneficiation plant equipment in Indian an abroad VEGA INDUSTRIAL TECHNOLOGIES PVT LTD Our approach to business to provide quality product and services to customer satisfaction and build a respected quality image integrity in the market place we believe that excellence can be obtained only by continuous developing and empowering employees and also by encouraging open atmosphere for learning team work we focus on developing and maintaining customer relationship driven by excellence in execution. We are committed to develop product that are innovative and environment friendly with lesser energy consumption.



We offered manufacturing of beneficiation plant equipment and spare (iron ore beneficiation, silica sand washing plants, M sand washing plant).

We are manufacturing supply of attrition scrubber, Thickener, Hydro cyclone sand washing screens and trommel screens.

We are handling them plant operation maintenance contact, erection & commissioning of plant equipment.

Vega Make hydro cyclone A hydro cyclone is a device that uses centrifugal force to separate particles from fluids. It typically consists of a conical body and is used to classify, separate, or de-silt liquids. It operates based on the principle of separating particles of different densities in a slurry (a mixture of water and solid particles) by applying centrifugal force



Vega Make High Performance Attrition Scrubber is designed on the basis of adjacent operating cells (for multi cell), each cell contains an agitator shaft on which two propellers are mounted, the propeller to create motion in opposing direction thereby causing efficient scrubbing of the silica particles to remove coated foreign particle.



The second cell agitator unit, cell will generate downwards velocity movement to the adjacent cell.

The cell is lined with high wear resistant rubber to resist the abrasive minerals like silica sand, iron ore & garnet sand. Minimum percentage of solids in the feed shall be 65 by weight / weight for optimum performance.



Vega Make A dewatering sand washing screen is typically used in the mining, aggregate, and construction industries to separate water from sand after the washing process. This equipment ensures that the sand is clean and dry before being used in further processing or sold as a product. Here's a breakdown of how it works and its key features

Vega Make High Rate Thickeners are recognized as one of the most cost-effective technologies for water recovery from concentrate, tailings & aggregate streams. The concentrated slurry from the thickening process is transported to the tailings dam for disposal and the recycled water is returned to the processing plant.



In the process of thickening (also called sedimentation), the solids in a suspension settle under the influence of gravity in a tank and form a thick pulp. This pulp, and the clear liquid at the top of the tank, can be removed continuously or intermittently.

Vega Make Trommel Screen When slurry is inserted into the rotating drum, materials will be jump & roll, the undersized material smaller than the screen apertures passes through the screen



openings and then into the sump, while the oversized material passes out at the other end of the drum by spiral.

The gear box with motor is connected to control panel in a clock wise direction. At the time of feed the trammel screen has to start with 15 – 20 rpm.

Vega make hydro classifier TO ENSURE SHARP CLASIFICATION WITH LOW MAINTENANCE. Hydro classifier separates solids using wet method based on the principle of controlled parameters 1. Depending on the size or density of particles. 2. Feeder & particle density are used mainly to obtain specific sands for use in foundries and glass Manufacturing industry, Solar Glass Manufacturing Industry The hydro classifier separates minerals and fines of two different specific gravities or to remove lightweight contaminants. It offers sharp classification in the 100 to 1500 µm. Their exclusive design ensures high treatment capacity with very low maintenance costs. The automatic discharge regulation system controlled by the bed density ensures consistent classification even when there are fluctuations in the feed specifications. The hydro classifier comes in two configurations, depending on its intended application: sand classification or the separation of fines or light products.



www.vegaintech.in

VEKTRA ENGINEERING PVT. LTD.

Vektra Engineering Pvt. Ltd. is a Manufacturer and Exporter of Hydraulic Cylinders for Construction and Mining Equipments, Steel and Aluminium Plants, Defence, Railways, Cement, Paper plants etc.



The State-of-the-art plant is equipped with all latest equipments and processes like Honing, Induction Hardening, Chrome Plating, CNC Turning, Grinding, Dust Free assembly area etc. The company has an experienced design and engineering team.

Today Vektra has 100+ satisfied customers and is exporting its products to more than 15 countries.

We specialise in Aftermarket Hydraulic Cylinders for various Surface Mining Equipments like Excavators, Dump Trucks, Wheel Loaders of Komatsu, Hitachi, Cat, Volvo as well as for Underground Mining Equipments like Jumbo Drills, Roof Bolters, Continuous Miners, Feeder Breakers, Battery Haulers, High Wall Miners, Dump Trucks, Side Discharge Loaders of various makes like Volvo, Sandvik, Epiroc, Joy Global Komatsu, Cat, Fletcher etc.

UNDERGROUND MINING HYDRAULIC CYLINDER FOR

- KOMATSU JOY GLOBAL/FLETCHER
- SANDVIK / TAMROCK
- EPIROC (ATLAS COPCO)
- CAT



SANDVIK AFTERMARKET CYLINDERS FOR

- JUMBO DRILLS
- LOADERS DUMPERS



EPIROC AFTERMARKET CYLINDERS FOR

- LOADERS JUMBO
- MINE TRUCKS



EXCAVATOR CYLINDERS FOR

- KOMATSU
- HITACHI
- VOLVO
- CAT/O&K

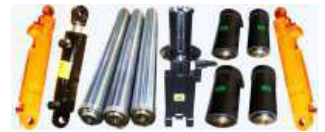


DUMP TRUCK CYLINDERS FOR

- KOMATSU
- TEREX
- CAT
- LE-TOURNEAU (WORLD'S LARGEST WHEEL LOADER BELAZ)

HYDRAULIC CYLINDERS FOR OEMS

- VOLVO – ROLLER & PAVER
- KOMATSU JOY GLOBAL
- CATTREPIILLAR



OTHER PRODUCTS FOR UNDERGROUND & SURFACE MINING EQUIPMENTS

- EQUIVALENT CARTRIDGE VALVES
- HYDRAULIC HOSE ASSY
- DRIVESHAFT & COMPONENTS
- DRIFTER PARTS- SANDVIK/EPIROC



www.vektra.co.in

VIKAT PRIME ENERGY SOLUTIONS PVT. LTD.

VPRIME, established in 2020, has grown to be a leading manufacturer and supplier of Solid Control and Waste Management Equipment for Oil & Gas industry globally. We also serve Mineral Processing industry with Fine Screening Equipment and supply chemicals to Oil & Gas and Construction industry. Our product lines are designed considering various parameters in the real time working conditions resulting in highly durable and robust quality products.



In 2024, VPRIME entered into a strategic collaboration with FSI to further expand its presence in the Fine Screening Equipment sector. Through this partnership, FSI has commenced manufacturing fine screening equipment in India, supported by VPRIME's expertise and industry experience. This collaboration enhances our capability to serve the mining and mineral processing industries with innovative and high-performance screening solutions.

Our commitment to excellence and customer satisfaction has established VPRIME's strong international presence. With a global footprint, we efficiently serve clients worldwide, offering tailored, cost-effective solutions without compromising on quality. Partner with us to experience engineering excellence and reliable support that drives your operational success.

MISSION

"To deliver high-quality screening equipment that meets customer needs with precision, innovation, and reliability."

VISION

"To be the global leader in high-quality screening equipment through innovation and reliability."

INDUSTRIES SERVED:

- Oil & Gas
- Mining
- Underground Construction

SERIES 6000 MODEL B4Z SSL SHAKER

FSI-V Prime manufacture equipment for the mining industry in India. Their products feature permanently sealed vibrators, eliminating the need for lubrication systems. With a low 80 dB motor vibration, hearing protection is not required. Each unit has five pretension screen panels that can be installed or replaced independently. Replacements take less than five minutes and require only a light to medium-weight hammer.



SERIES 3642 DFL

FSI-V Prime are introducing the 3642 DFL Multi G, their latest breakthrough in high "G" force, high-volume linear motion shakers powered by Virto



technology. Engineered for optimal performance, the 3642 DFL Multi G ensures consistently high throughput, even in the most challenging applications. Processing rates may vary depending on slurry content, percent solids, and viscosity.

SERIES 6000 CASADE

Introducing the 5111BLE/5111BLE Cascade Shaker System, featuring Balanced Elliptical Linear over Balanced Elliptical Linear Motion cascading units. Designed by FSI-VPrime for optimal performance, this system ensures consistent throughput even in the most challenging applications.

Processing rates may vary depending on slurry content, percent solids, and viscosity. Both shakers are capable of generating up to 8.0 G-force for efficient and reliable operation.



SERIES 5111 MODEL BTSH SHAKER

FSI-V Prime proudly presents the 5111BTSH, a cutting-edge high G-force, high-volume linear motion shaker. Designed to deliver exceptional performance, this unit maintains reliable throughput even in demanding conditions. Actual processing rates can vary depending on factors such as slurry content, solids concentration, particle size distribution, viscosity, and overall fluid composition.



HYDRO CYCLONES

Hydro cyclones designed for the Oil and Gas Industry, Underground Construction and Mining Industry. These advanced separators utilize centrifugal force to remove solids from drilling fluids, enhancing fluid quality and operational efficiency.



URETHANE SCREENS

Urethane screens designed to meet the rigorous demands of modern mining operations. Our screens combine cutting-edge technology with the superior wear resistance of polyurethane, ensuring long-lasting performance in even the most abrasive environments.

BENEFITS OF HI-E TECHNOLOGY

- High-Capacity Screening Area - Designed for efficient material processing.
- Adjustable G-Force - Ranges from 4 to 15 Gs for optimal performance.
- Maintenance-Free Operation - Permanently sealed vibrators require no lubrication.
- Low-Noise Operation - Runs at just 80 dB, eliminating the need for hearing protection.
- Quick Screen Changes - Wedge lock system allows replacements in under five minutes.
- Linear Motion - Ensures consistent, high-volume output.
- Rugged & Reliable Design - Built for durability and long-term performance.



www.vprimesolutions.com

VISHAL OVERSEAS

Vishal Overseas, a house of Steel Forgings and Allied Products, was established in year 1998. We produce a variety of Forgings including Screw Press Forgings, Friction Press Forgings, Drop Hammer Forgings, Ring Rolling Forgings, etc. in various kinds of Steel Grades such as MS, EN8D, EN9, EN18, EN19, EN45A, EN36C, EN353, 20MnCr5, SAE-8620, etc.



Our Owner, Mr. Vishal Mittal, is a B.Tech from IIT DELHI. Under his technical expertise and dynamic leadership, Vishal Overseas is committed to:

- SUPPLY OF QUALITY FORGINGS
- TIMELY DELIVERIES
- COMPETITIVE PRICES

- CUSTOMER SATISFACTION
- CONTINUAL IMPROVEMENT IN QUALITY
- CULTIVATING PERSONAL RELATIONSHIP

Our product range includes vast variety of forgings like Drilling Bits & Mining parts, Construction Forgings, JCB and Earthmover Components, Gear Parts Forgings of Automotives, Tractor and Agricultural Parts and Miscellaneous Forgings as per Customers' specifications.

We also provide Steel Rolled Bars, Drawn Bars and Steel cut pieces as per clients' sizes in various kinds of steel grades.



VZEN INDUSTRIES PVT. LTD.

India's Leading Manufacturer of Premium Quality Industrial Lubricating Oils & Automotive Oils



Vzen Industries Pvt. Ltd. is a premier Indian manufacturer of high-caliber industrial fuel oils, including LDO, Furnace Oil, LSHS, MTO, Biodiesel Oil, and Lubricants. Our organization adheres to rigorous quality control standards, ensuring unparalleled product excellence and service consistency. This commitment to excellence is underscored by our ISO 9001, ISO 14001, and ISO 45001 certifications.

Leveraging our extensive expertise and cutting-edge Research & Development Laboratory, Vzen Industries Pvt. Ltd. delivers tailored, high-performance lubricant, grease, and fuel oil solutions designed to meet the most exacting industrial applications. Our lubricants, formulated from superior-grade base oils and additives, guarantee exceptional reliability, efficiency, and longevity.

VZEN BIODIESEL OIL

VZEN Biodiesel Oil are made from a diverse mix of feed stocks including recycled cooking oil, soybean oil and animal fats. This non-petroleum-based product can be used as diesel fuel, textile lubricant and industrial heating oil fuel. VZEN Biodiesel Oil is environmentally friendly and biodegradable Oil.



VZEN MINERAL TURPENTINE OIL

Vzen Mineral Turpentine Oil is a petroleum-derived solvent primarily used as a thinning agent and industrial cleaner. It is a clear liquid with a mild odor and high solvency power, making it effective in dissolving resins, oils, and grease.

VZEN LIGHT DIESEL OIL

Vzen Light Diesel Oil, commonly known as LDO, is a blend of distillates and residual fuel oils. It is specifically designed for slow and medium-speed engines, boilers, and furnaces. LDO is known for its high calorific value and efficient combustion, making it a popular choice in various industrial applications.

VZEN WHITE OIL

Vzen White Oil, also known as liquid paraffin, is a highly refined, clear, and odorless mineral oil. It is widely used in pharmaceuticals, cosmetics, and food industries due to its purity and safety. Additionally, it serves as a lubricant and insulating fluid in industrial applications, offering excellent stability and performance.

VZEN INDUSTRIAL FURNACE OIL/LSHS

Vzen Industrial Furnace Oil is a heavy petroleum product used primarily as fuel in industrial heating applications such as boilers, furnaces, and kilns. It is known for its high calorific value, cost-effectiveness, and efficient combustion properties.

VZEN MULTIPURPOSE GREASE

Vzen MP Greases are premium quality lithium-based grease. These are environment friendly products, suitable for heavy-duty roller & plain bearings, and for situations warranting a use of extreme pressure grease, particularly to those subjected to shock loads at temperatures up to about 130°C.



www.vzenindustries.com

WAIIDHAN ENGINEERING & INDUSTRIES PVT. LTD.

We would like to introduce ourselves as a service provider for Conveyor Belt Solutions and OTR tyre Solutions to various industries

like, Mining, Power, Cement, Metal, chemicals, Alumina, on a PAN India basis.

Our Products:

- Diamond Grooved Pulley Lagging
- Ceramic Pulley Lagging
- Ceramic & Rubber Chute Liners
- Skirt Rubber
- Impact Bed and Bar
- Conveyor Belt Splicing Kits with Solution (Hot/Cold). Make-Waidhan
- Wagon Tippler Clamping Pad.
- Conveyor Belt Vulcanizing Machine.
- Tyre Management Accessories.
 - Wheel Chocks
 - OTR Tyre Inflation Cage
 - Mudflaps

Our Services:

- Complete Conveyor Belt Maintenance Services
- Belt Laying and Jointing
- Hot and Cold Lagging of Conveyor Pulleys
- Hot and Cold Vulcanization of Belt Jointing (All kinds of belt)

- Dust and Spillage Control
- Throughout cut and edge repairs and reconditioning of NN/NP/Steel cord belt
- Transfer Point Solutions (Dust/ Spillage/ Chute Blockage/ Belt Wear and Tear/ Carry back/ Friction issues)
- OTR (OFF THE ROAD) Tyre Retreading.
- OTR Tyre Repairs.
 - Through Cut Repair.
 - Bead Repairs.
- OTR Tyre Management.
- New OTR Tyre Distribution.
- OTR Tyre Dismantling Machine.
- Tipper & Light OTR Tyre Retreading.

Clientele:

Tata Steel | JSW BPSL | AMNS | NTPC Limited | Adani Power | Birla Corporation | JSW Cement | ACC Cement | Ultratech Cement | Ambuja Cement | SAIL | Hindalco | Coal India | Reliance Power | UP, MP, CG, OD, PB State Power | Vedanta | Lanco | Tata Power | Balco

OTR TYRE SERVICES

Waidhan Engineering is one of the pioneers in OTR Tyre retreading & repairs.

- OTR (OFF THE ROAD) Tyre Retreading.

Waidhan Engineering & Industries Pvt. Ltd. is one of the largest OTR tyre Services & retreading company in India.

• OTR Tyre Repairs.

- Through Cut Repair.
- Bead Repairs.
- OTR Tyre Management.
- New OTR Tyre Distribution.
- Tipper & Light OTR Tyre Retreading.
- OTR Tyre Dismantling Machine.
- Tyre Management Accessories.
 - Wheel Chocks
 - OTR Tyre Inflation Cage
 - Mudflaps



CONVEYOR BELT MAINTENANCE SERVICES

Waidhan Group is a trusted service provider for bulk material handling industries. With over 25 years of experience, we offer expert turnkey conveyor belt maintenance services.

• Conveyor Belt Vulcanizing.

Waidhan specialises in both hot vulcanisation and cold vulcanisation of conveyor belts. We have highly skilled service teams stationed at various locations around the country. We have inhouse splicing materials and vulcanizing presses. The services include jointing of fabric as well as steel cord belting.

• Pulley Lagging

Waidhan undertakes Ceramic & rubber pulley lagging work by Hot & Cold Vulcanizing process suitable for various applications using state-of-the-art mechanised equipment's.

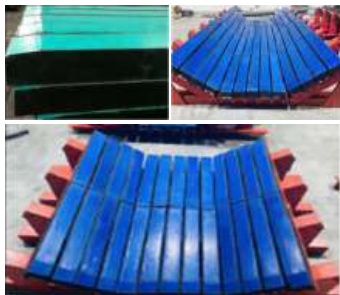
• Conveyor Belt Repairs & Reconditioning.

A total savings to the tune of approx. 60% to 65% can be achieved by using reconditioned / repaired belts instead of new belts on account of lower capital investment, lower inventory costs & lower interest costs.

Waidhan Impact Pads are designed for loading points of Conveyor Belts, where a combination of high energy absorption and low friction is needed. The



top cover is made of an UHMW-PE (Ultra High Molecular Weight Polyethylene), which gives these Impact Bars a very low friction and high wear resistant top surface. The middle portion is of high-quality rubber having high resilience, which acts as a shock absorber at the loading zones of conveyors.



These Impact Bars are manufactured with an Aluminium T-Track fixing system for easy installation. The Impact Bars come in lengths as per customer requirement with 10mm or 12mm top cover of UHMWPE.

DOUBLE LIP SKIRT RUBBER

DOUBLE-LIP skirt rubber provides dual sealing with a single skirt rubber and significantly minimises the escape of dust and fine particles. The rubber is affixed to the skirt plate by means of Belt Fixing Assembly.



which is M.S. as per IS 226 with locking fastener which makes it quick and very easy to install and maintain.

They are made of special rubber compounds which offers excellent wear and abrasion properties.

Waidhan Ceramic Wear Pads

exploits the high wear resistance of High Alumina (92%) Ceramic hexagonal Tiles and is especially suited for applications such as fine abrasive sliding particles and high-speed wet slurry. Waidhan ceramic wear pads are supplied with special CN Bonding layer for very good adhesion to the metal or rubber surface. Waidhan Ceramic Wear Pads are supplied with the tiles embedded in rubber to increase the bond strength of each individual tile within the pad. The hexagonal shape combined with rubber between the tiles gives maximum impact resistance and flexibility for installation on flat, convex or concave surfaces, making them suitable for wear and corrosion protection in corrosive applications.



PULLEY LAGGING SHEETS.

Ceramic Pulley Lagging Sheets:-

Ceramic Pulley lagging is the most effective method of reducing the risk of slippage of conveyor belts. Waidhan group manufactures ceramic lagging sheets with high alumina (92%) ceramic tiles and CN bonding layer for general, industrial and mining purpose application.



Model	Width (mm)	Length (mm)	Thickness (mm)	Ceramic Coverage
CL - 385	385mm	4320mm	13, 16, 20	46% (1150 Tiles per sqm.)
CL - 500	500mm	2500mm	13, 16, 20	30% (750 Tiles per sqm.)
CL - 445 (L)	445mm	550mm	13, 16, 20	32% (800 Tiles per sqm.)
CL - 445 (H)	445mm	550mm	13, 16, 20	51% (1280 Tiles per sqm.)

Diamond Grooved Lagging Sheets:-

Diamond Grooved Lagging Sheets Waidhan group manufactures a comprehensive range of diamond and plain rubber lagging sheets for general, industrial and mining applications. We manufacture both small and large diamond profile pulley lagging.

Constructional Features

- Width: Upto 1650mm.
- Length: Upto 20 metres in single length.
- Thickness: 8mm to 25mm Comes with coloured bonding layer.

www.weipl.net

WESMAN THERMAL ENGINEERING PROCESSES PVT. LTD.



Wesman Thermal is the leading manufacturer of Combustion Equipment in India for last over 50 years. Wesman Thermal specialise in different type of burners for all types of Liquid & Gaseous fuels, Blowers, Gas / Oil trains & related projects. We provide complete turnkey solutions in the area of Combustion Engineering. We take care of Metal Re-heating, Metal / component Heat Treatment, Power Plants / Boilers, Mineral Processing, Food Processing, Chemical / Petro Chemicals, Hot Air Generators, Oil / Gas Skids, Waste Heat Recover / Incinerators and any other process that might be required according to the requirement.

Our product range covers:

- Kiln Burners
- Pressure Jet Burners
- Oil / Gas Dual-Fuel Burners
- Self-Recuperative Burners
- Duct Burners
- Low Calorific Fuel Burners
- Hot Air / Gas Generators
- Oil Filtering and Pumping Systems
- Ignition and Flame Failure Systems
- Project Activity
- Burners for Indurating Furnaces
- Fans and Blowers
- Regenerative Burners
- Ribbon Burners
- Multi Fuel Burners
- Oil and Gas Skids
- Waste Heat Recovery Systems
- Ratio and Pressure Regulating Valves
- Burner Management Panels

WESGEN REGENERATIVE BURNERS

Recover waste heat from furnace exhaust gases and preheat combustion air, to significantly increase efficiency over conventional burners or burners with recuperators. NOx emissions are extremely low, even when compared with cold air burners. WESGEN regenerators are heat and corrosion resistant and tolerate hostile environments that can destroy recuperators. WESGEN burners save significant amounts of fuel when applied to a variety of high temperature furnaces. The higher the process temperature, the higher the potential fuel saving when compare with conventional burners.



WESMAN PELLET BURNERS

Iron ore pellets are used to feed blast furnaces or DRI plants to make steel. To make iron ore suitable for the above applications, Iron ore is processed into pellets and then fired in an indurating / travel grate furnace.



Wesman's Pellet Burner series are installed on both sides of a travel grate / straight grate-indurating furnace to produce the required heat taking into consideration the heat produced within the furnace from the heated pellets. Our Pellet Burners for Indurating furnace come in different sizes. Capacity ranging from 1 to 5 Mkal/hr.

MULTI-FUEL BURNER SERIES TAV25 - TAV25 MULTI-FUEL BURNERS

TAV25 Multi-Fuel burners can be used in heat treatment, forging, re-heating non-ferrous melting furnaces, kilns, ovens, air heaters, dryers, chemical process equipment, and other applications where superior temperature uniformity is required.



Fuel Options:

- One oil and two gases (furnace oil, light diesel oil, HSD or kerosene along with natural gas, LPG, propane, CBM, coke oven gas, blast furnace gas, or producer gas)
- Three gases such as high GCF (natural Gas, LPG, propane), medium GCF (CBM, coke oven gas) and low GCF (blast furnace gas, producer gas)
- Can use any one or all three fuels simultaneously.

SELF RECUPERATIVE DUAL FUEL BURNERS

Self Recuperative Dual Fuel Burners are equipped with an integrated heat exchanger to preheat combustion air by thermal utilisation of the flue gases. Depending on the application, energy savings of 30% or more are achievable. Self Recuperative Burners are applicable for Single Ended Radiant Tubes (SER)



as well as for open fired industrial furnaces. The RECUPERATIVE BURNER BASIC which is equipped with a Tube Type Recuperator will achieve pay back within a short period of time. The SELF RECUPERATIVE ADVANCED with a cased Fin Type Recuperator is highly efficient and will further shorten the pay back period.

GAS BURNERS WGBC/WGBS

Description

- Gas Burner for heating industrial furnaces and process engineering facilities.
- Power range 15-5000kW
- Wide control range
- Direct electric ignition
- Flame detection with ionizations rod, UV-probe possible
- WGBC version with ceramic flame tube
- WGBC version for burner tile or metallic flame tube
- Various flame exit velocities and flame shapes are possible



FireStorm DUAL FUEL BURNERS SERIES 6514

6514 FireStorm DUAL FUEL BURNERS are suitable for light as well as heavy oil and all types of gases. It has sealed in CI mounting having provision for UV head, Pilot burner flame observation parts. These are used for Low as well as high temperature application where long flame is desirable. For fuel saving, preheated combustion air upto 3500C can be used. In case of using hot combustion air, consult WESMAN for burner selection.



www.wesman.com

X-GLO

Global LED Lighting Solutions (GLLS) is a global supplier of industrial grade LED lighting solutions and is committed to developing and supplying high quality x-GLO LED lighting products and systems that have been purpose developed since 2011 for installation in mining, tunnelling, oil and gas and other industrial applications.

GLLS supports its Distributor network with a lighting design and selection service to assist end customers obtain the right solution that is fit for purpose, cost effective and most importantly safe.



The x-Glo Tunnel light has been designed by current distributors and developed by our manufacturing partner. It is suitable for installation in surface and underground tunnels with running lengths of up to 400m long.

x-Glo Tunnel LED strip lights are manufactured in a "state of the art" ISO 9001 manufacturing facility.



Like all the x-Glo products the x-Glo Tunnel Strip light has been developed to be Safe, Robust and Durable.

The x-Glo Tunnel Light has been certified as a low voltage device and has IE, CE, UKCA, RCM and CB certification.

Introducing the world's first ATEX & IECEx certified hazardous area LED strip lighting system called x-Glo Exm.

x-Glo Exm has been developed with our manufacturing partner Clear Lighting in the state-of-art ISO9001 manufacturing facility which is fully accredited by IECEx. It is suitable for installation in hazardous areas such as Coal Mines & Oil & Gas facilities.



The x-Glo Exm Range has been certified via the internationally recognized TUV certification authority to develop a product that fulfils their stringent requirements.

The x-Glo Standard range was designed specifically for mining applications, both surface and underground mining.

We have different solutions available that have been designed to handle the harsh mining environment.

Our standard range is available in 12v - 24v and 36v, in either silicon or PVC

x-Glo standard LED strip lights are manufactured in a "state of the art" ISO 9001 manufacturing facility.



The x-Glo LED strip lights have been developed to be Safe, Robust and Durable.

The x-Glo LED strip lights have been certified as a low voltage device and has IE, CE, UKCA, RCM, CB and many more certifications.

www.x-Glo.com

XUZHOU CONSTRUCTION MACHINERY GROUP (XCMG)

Founded in 1943, XCMG is a multinational corporation with the most comprehensive range of competitive, influential products in the construction machinery industry. Our business covers eight key areas: construction machinery, heavy trucks, mining machinery, sanitation machinery, machinery components, construction, finance, and the ICT industry.



XCMG products cover 17 categories, over 100 applications and 1000 specifications. It is the enterprise with the most complete categories and complete sets in the world's construction machinery industry.

As of now, XCMG has retained its No.1 position in China's construction machinery industry for 35 consecutive years and is ranked NO.4 in the global construction machinery industry.

XCMG has established its Global Business Headquarters and 14 Global Business Regions. It has more than 40 branch offices and subsidiaries, over 300 distributors, and its products have been sold to over 190 countries and regions worldwide.

XCMG in India has wide range of Mining Equipment, Road equipment, Construction Equipment, Hoisting Machinery, Underground construction machinery, Port handling machinery and Electric Vehicle.

XGA105 - AUTOMATIC MINING DUMP TRUCK

XCMG have fully considered the customer demands and finalize the configuration after thousands of high strength industrial assessments in different construction environments. XCMG XGA105 mining dump truck is equipped with powerful 523 hp Weichai engine and Allison automatic transmission to ensure increased fuel efficiency, ease of operation, superior performance and reduced maintenance cost across various mining applications. Box section design, Robust chassis and frame made with high strength alloy steel to carry 70 ton



volume of material efficiently.

XE870GK – MINING EXCAVATOR

XE870GK is 90 ton mining hydraulic excavator designed for typical working condition of mine. The visualized oil and water separator is adopted to improve the separation effect by more than 15% and extend the service life. Engine mount system is optimized to reduce vibration and improve operating comfort and structural durability. Modular design of pump room and power cabin, special maintenance channel is set up in the middle which is efficient and convenient. Optional centralized lubrication system to achieve efficient maintenance of the vehicle.



GR2403 – MOTOR GRADER

GR2403 grader is equipped with QSB6.7 Cummins 238hp engine and mainly used for large-area ground levelling, trenching, slope scraping, bulldozing, ripping, snow removal and other works on the high-ways, airports, farmlands. It can also be used under heavy-duty conditions. With the advantages of compact structure, high reliability, comfortable operation and convenient maintenance, the whole machine becomes a necessary construction machine for urban and rural road construction, water conservancy construction and farmland improvement.



XC958 – WHEEL LOADER

The new powerful, productive, economical XC958 BSV wheel loader is designed to boost efficiency driven performance. Precisely selected BSV compliant engine to ensure the unmatched performance to handle the toughest and heaviest jobs. Offering big capacity bucket, large dump height and great stability on operations. XC958 features not only high performance and streamlined appearance, but also greatly-improved reliability, fuel efficiency, safety, comfort and maintainability compared with the previous generation products.



XC968-EV – ELECTRIC WHEEL LOADER

The pure electric loader with zero-emission is the future of engineer machinery and the optimal choice for environmental protection. XC968-EV pure electric loader is the new-generation loader of XCMG designed with international advanced technology. Featuring environmental protection, strong power, solidity and reliability, high efficiency, and energy conservation and easy maintenance. XC968-EV is the environmentally friendly, energy-saving and efficient solution for multiple applications including construction sites, mines, ports and road.



www.xcmgglobal.com

YXLEM WATER SOLUTIONS INDIA PVT. LTD.

Xylem is a leading global water solutions company dedicated to advancing sustainable impact and empowering the people who make water work every day. Xylem connects diverse capabilities and innovative technologies to provide tailored solutions across the entire water cycle. From moving, treating and measuring water to optimizing and maintaining water systems, Xylem collaborates with customers to solve their most critical challenges. Our 23,000 diverse employees delivered revenue of \$8.6 billion in 2024, we are creating a more sustainable world by enabling our customers to optimize water and resource management and helping communities in more than 150 countries become water-secure. Join us at www.xylem.com and Let's Solve Water.



Xylem is the world leader in manufacturing tough, portable and reliable pumps. Xylem have more than 100 years of heritage behind Godwin and Flygt

Brand. Xylem dewatering pumps have wide application to remove water sludge and slurries from construction, mining, municipal, steel, power and other mineral industries.

Xylem Godwin Automatic Self Priming Surface Pumps CD Series are suitable for dry running, motor or diesel engine mounting are available in both skid and trolley. These pumps can handle solids upto 18% / 75 mm in diameter, Flow: 3500 m³/hr, Head: 75m, 7.5 – 425 KW

Xylem Godwin HL series pumps are designed for low flow and high head. These surface pumps can handle solids upto 18% / 75 mm in diameter, Flow: 1000 m³/hr, Head: 180 m, Upto 560 KW

Xylem Godwin BD series pumps are affordable, high-performance solution, designed and built specifically for Emerging Markets. These pumps can handle high volume, medium-head, large solids-handling capabilities, Flow: up to 595 m³/hr, Head: Up to 50 m, available with either Compressor/Venturi or Vacuum pump priming systems, Interchangeable application specific impellers, 316 stainless steel pump-end internals for high and low pH applications, Site trolley or skid mount, both incorporating integral overnight running fuel tanks

Xylem Flygt 5000 series Submersible pumps can easily handle mechanically abrasive or fluids laden with particles. It can handle solids up to 65% / 75 mm in diameter, Flow: 1000 m³/hr, Head: 85 m, Up to 3.7 to 215 KW

Xylem Flygt 2000 series submersible slurry pumps are rugged reliable and cost effective, handle transportation of the most abrasive solids that are suspended in liquid. Handle solids upto 18% / 10 mm in diameter, Flow: 900 m³/hr, Head: 180 m, Upto 1.2 to 90 KW

Xylem offers a comprehensive range of products and systems for water and wastewater treatment. Our solutions include smarter aeration, advanced filtration, and disinfection systems. We provide Advanced SBR, STP retrofit, automatic screen filters, diffusers, mixers, chlorination systems, UV, and ozone systems for municipal and industrial applications. Designed to meet water sustainability goals and environmental norms, our products have successfully implemented more than 50 large STPs in India. Xylem's experts assess customer needs to deliver tailored solutions for effective water management.

Xylem's Measurement and Control Solutions (MCS) provides intelligent solutions that enhance operational efficiency through advanced sensing, communications, and data management technologies. Xylem serve water, gas, and electric utilities and industrial customers, offering cutting-edge smart metering, quantitative and qualitative measurement capabilities, and data management solutions



www.xylem.com/india

YAHA WATER SYSTEMS PVT. LTD.

We are Yaha Water Systems Pvt Ltd and we know the worth of Water! We are an energetic team with an average experience of over 25 years in Conceptualizing, Designing, integrating and delivering, sustainable, customer centric water engineering solutions.

Company is headquartered in Mumbai & manufacturing plant at Khopoli, Maharashtra. Our plant is fully equipped with in



house Manufacturing, Quality, Engineering & assembly to deliver material as per our customers projects requirements.

Yaha Water has developed a range of compact automatic products – Lamella Settlers, online self-cleaning filters, Zen active media filters incorporating innovative technology characterized by low.

Operating cost and short capital payback. With these products Yaha Water has been effective in providing solutions to a wide range of water supply and treatment applications in Industrial, Municipal & Irrigation Applications.

Yaha Provide Solutions for...

- Filtration of intake & re-circulated water
- Process Water Filtration
- Cooling water: Side Stream & Full Stream Filtration
- Pre-Filtration to Membranes
- Filtration for Drinking Water.
- Reuse of treated sewage water, effluent water.
- Special Applications – Gland Seal Cooling, Generator Cooling

Few of ours esteemed Customers.

- L&T Constructions
- Karnataka Water Sewerage & Drainage Board (KUWSDB)
- Chennai Metro Water Supply & Sewerage Board (CMWSSB)
- BARC
- BHEL
- Tata Steel
- Tata Projects Ltd.
- Thermax
- Vatech Wabag
- JSW
- JSPL
- Sunflag
- SAIL

OUR MANUFACTURING FACILITY

Yaha Water Systems has a state-of-the-art manufacturing facility at Khopoli, on the outskirts of Mumbai. We procure material from reputed companies and employ manufacturing systems that comply with global regulations and standards. Our quality assurance team employs very high standards of quality checks, assuring our customers of supply of products of high performance and reliability.



YAHA TRITON SERIES - BRUSH TYPE

YAHA TRITON series of online self cleaning filters are electrically driven automatically self-cleaning filter with brush cleaning backwash mechanism. The function of the filter is controlled by a flushing controller.

The filter unit is equipped with a brush cleaning mechanism which essentially comprises of Stainless Steel (SS) 316 brushes mounted on a SS 316 frame which is in turn connected to a motor gearbox mechanism through a shaft. A diaphragm valve/hydraulically actuated valve/motorized valve is used as a flushing valve which is in open condition during backwash.

The system is monitored in real time by a DP switch which send real time pressure difference signal to PLC control panel regarding pressure drop between inlet & outlet of system. When a preset DP is achieved the control panel activates the motor thus rotating the brush mounted frame and opening the flushing valve. Due to the scrapping action of the brushes the filter cake that has formed on the filter screen to be brushed off, and complete dirt is removed without interrupting filtration.

The cleaning process can be activated both automatically and manually. The short cleaning time of 20-25 seconds, using a minimum of flushing water, is sufficient to clean the entire filter element, with the filtering process being maintained.

YAHA TRITON SERIES - SLN TYPE

YAHA TRITON series of online self cleaning filters are electrically driven automatically self-cleaning filter with special nozzle suction cleaning backwash mechanism. The function of the filter is controlled by a flushing controller.

Cleaning of the filter is carried out by the suction special nozzles which scans and spirals across the screen, the open drain valves creates a high velocity suction stream at the nozzle tip which "vacuums" the filter cake from the screen. During the self-cleaning process, which takes approximately 30



seconds, filtered water continues to flow downstream.

Operation and cleaning cycle is controlled and monitored by a PLC. The system is monitored in real time by a DP switch which send real time pressure difference signal to PLC control panel regarding pressure drop between inlet & outlet of system. When a preset DP is achieved the control panel activates the motor thus rotating the suction scanner nozzles and opening the flushing valve. Due to the suction action of the nozzles the filter cake that has formed on the filter screen is removed without interrupting filtration.

The cleaning process can be activated both automatically and manually. The short cleaning time of 20-25 seconds, using a minimum of flushing water, is sufficient to clean the entire filter element, with the filtering process being maintained.



www.yahawater.in

ZENITH INDUSTRIAL RUBBER PRODUCTS PVT. LTD.

Zenith Industrial Rubber Products Pvt. Ltd. **ZENITH** INDUSTRIAL RUBBER PRODUCTS PVT. LTD. Quality Rubber Solutions has been a pioneering force in the manufacturing and exporting of industrial rubber products since 1965. With a rich legacy spanning over five decades, the company has established itself as a trusted name in the industry.

3 State-of-the-Art Manufacturing Units:

- Zenith operates three cutting-edge manufacturing units, strategically located to cater to the diverse needs of its clients. These units are equipped with modern machinery and technology, enabling the company to maintain the highest standards of quality and efficiency.
- With a fully automated manufacturing capacity of 120 tonnes per day, Zenith is capable of meeting the bulk requirements of its clients. This capacity ensures timely delivery and helps the company to cater to the growing demands of the industry.

Zenith offers an extensive range of industrial rubber products, including:

- Wear-resistant rubber sheets; Antiskid flooring; Waterproofing membranes; Coated fabrics; Rubber inflatables; Rubber moulded and extruded profiles; Rubber lining & Conveyor belts and accessories

Zenith proudly caters to an esteemed clientele, including:

- Indian government institutions; Defence sector organizations; Major Original Equipment Manufacturers (OEMs); Distributors throughout the country.

To ensure seamless customer service and prompt delivery, Zenith has established a strong pan-India presence with godowns cum sales offices in 7 strategic locations:

- Mumbai; Bangalore; Chennai; Delhi; Pune; Ahmedabad & Hyderabad.

These offices enable the company to provide efficient sales support, timely delivery, and after-sales service to its clients across the country.

With a strong focus on delivering excellence, Zenith offers a Diverse Range of Textile Conveyor Belts such as General Purpose, Heat Resistance, FDA, Fire Resistance, Oil Resistance, Cold and Frost Resistance.



- Width – Up to 2100 mm without longitudinal joint
- Strength – Up to 2500 kN/m

Zen-Star Rubber/Ceramic pulley lagging sheets are essential components used in the mining industry for wet and dry application and can be universally applied as a lagging for drive pulleys



for low to high-loaded conveyor belts, to enhance the performance and lifespan of conveyor pulleys.

Repair strips and patches (M24/SAR/SHR) are essential in mining for quick equipment repairs, minimizing downtime. They provide a secure and lasting fix on various surfaces.

Impact bars, Abra-Range, and metal-rubber bonded products also support mining operations, ensuring equipment durability and safety.

Zenith Rubber manufactures a comprehensive range of rubber sheeting. From commercial compounds to highly technical sheets to match stringent customer specifications. All Zenith's rubber sheeting products are REACH, RoHS, PAH, and CE certified. Zenith Rubber's highly innovative team also offers the development of unvulcanised custom compounds for our customers.

Zenith Manufactures wide range of custom rubber moulded products in polymers like EPDM, NBR, CHLOROPRENE, SILICONE, FLURO SILICON, FKM, ACM, AEM (VAMAC), SBR, NATURAL RUBBER. We produce moulded products by using compression moulding, transfer-moulding process. Special controlled processes are developed by Zenith to produce such high-performance moulding products.

Zenith manufacture and exports a variety of Anti-Skid Mats for multipurpose applications. The primary objective of these mats is to provide a durable non-skid solution, Slippage has always been a problem in wet floors and surfaces, our wide range of anti-skid mats are the best solution for it. Our mats are excellent in shock absorption slip resistance and provide improved walking comforts. Flooring mats with anti-skid textures prevent slips & falls and come with a protective, non-stick finish to make cleaning quick and easy.



www.zenithrubber.com

ZF GROUP INDIA

Moving The Big Things

ZF Group is a leading technology solutions provider shaping the future mobility trends in India for over six decades. Headquartered in Pune, it has nineteen manufacturing locations and ten engineering centers across the country. ZF provides advanced technology solutions to various sectors, including industrial drives. ZF Industrial Drives, a part of ZF Group in India and develops and produces large mobile and industrial planetary gearboxes with a torque range of 100 to 7200 KNm for mobile and stationary applications in mining. ZF Group is a technology leader and partner for the past 140 years in performance, robustness and reliability. The company is a leading provider of complete drive technology for mining and large construction machinery from 80 up to more than 800 tons machine weights with an output torque from 100 to 2600 Knm.

The ZF Group employs over 16,000 people across India

CONTACT:

Email: Ralf.Matke@zf.com / Mallika.apte@zf.com

Email: Matthias.Hahn2@zf.com

Website: www.zf.com

with the direct link to - ZF Product Range Industrial Gearboxes - ZF

<https://www.zf.com/site/supplierboard/en/search.html?query=%27ZF+Product+Range+Industrial+Gearboxes++ZF%27&start=0>



ZITRON INDIA PVT. LTD.

ZITRÓN, established in 1963 in Spain, is acknowledged as a World leader in the design, manufacturing and installation of complex Ventilation systems for Mines, underground Infrastructure, Roads/ Highways/ Railways/ Metro Tunnels, Marine industry etc. and it operates in more than 80 countries today.



After more than 60 years of designing, manufacturing and supplying bespoke underground ventilation systems, Zitron is today acknowledged as a world leader in the field of ventilation for underground mines and transport infrastructure ranging from road/ rail/ metro tunnels and more.

In India, Zitron has been continuously working since 2001 in designing, manufacturing, and supplying bespoke Ventilation systems. Zitron India has been working with almost all the major contractors in India in Tunnels (Roads, Railways, Metro, Hydro etc.) and the major Mine Owners in India in different Minerals/Metals.

VENTILATION FANS

Zitron's range of axial and centrifugal fans is designed to meet the most demanding underground mine, tunnel, metro and marine ventilation applications.



DAMPER SYSTEMS

Zitron-produced dampers are designed to meet the demanding statutory regulations to ensure user safety in underground installations such as mines, road and rail tunnels, and metro stations.



MOBILE WORK PLATFORM

Zitron's mobile work platform has been specifically designed to facilitate installation and maintenance work on fans in road tunnels, thereby delivering enhanced productivity and cost savings.



ELECTRICAL CONTROLS & INSTRUMENTATION

Zitron produces custom-made electrical control cabinets that allow operator control of a customer's specific ventilation system.



MINING EQUIPMENT

As a consequence of Zitron's origins in supplying Spain's coal mining industry, we continue to produce a limited range of mining equipment, including winches, drills and hoists.



TURNKEY PROJECTS

Zitron has the know-how and resources to deliver custom-made ventilation systems on a complete turnkey basis, thereby providing customers with productivity gains and cost savings.



www.zitron.com

ZKL BEARINGS [INDIA] PVT. LTD.

We are sure that neither the Brand ZKL nor the name of our Company ZKL Bearings (India) Pvt. Ltd. requires any fresh introduction to you. Nonetheless, there are certain features of our company and certain benefits that you can get through an intimate business relationship with us, that need to be brought to your kind attention.



As you are no doubt aware, ZKL Bearings (India) Pvt. Ltd is a part of a conglomerate of companies, involved with the distribution of bearings - probably the largest of its kind in India. The group was started way back in 1975 and today handles multiple premium brands of bearings.

ZKL Bearings (India) Pvt. Ltd was incorporated almost two decades back as the Principal Agents of the ZKL Group of Czech Republic, in India. Today, we are the Master Distributor of the ZKL brand of Bearings and Bearing Accessories for the territory of the Republic of India.

Besides the Corporate Head Office in Kolkata, and branches in Mumbai, Chennai, and Gurgaon, we have a number of regional engineers located in

prominent industrial centres. Over and above that, we have an extensive Authorized Dealer network all over India.

Our modern warehouse, situated very close to the city of Kolkata, is equipped with state of the Art facilities and carries a very large inventory of most of the products from the ZKL range, so as to support our customers in maintaining the Machine /Equipment reliability round the clock.

We will be happy to serve you for all your bearings & bearing accessories requirements.

- Excellent combined load property. This bearing accommodate very heavy axial load together with considerable radial load. In fact this is the only roller thrust bearing which can carry both Axial & Radial Load.
- Spherical Roller Thrust Bearing is the only self-aligning thrust bearing and is the strongest amongst all thrust roller bearing.
- It has a wide speed range from very slow to moderately high.
- When used in pairs, these bearing offers very high axial and as well as moment stiffness.
- The separable design facilitate easy mounting and dismounting



www.zklindia.com

■ ZNL BEARINGS PVT. LTD.

ZNL Bearings Pvt. Ltd. as a leading manufacturer of Ball bearings & Roller bearings in India since 1996. Our Manufacturing plant is situated at Changodar GIDC, Sanand, Ahmedabad (Gujarat - India). ZNL Bearings Pvt Ltd is committed towards bringing a Friction Free Revolution & offering over 1500 nos different sizes of Ball & Roller Bearings.

We are successfully supplying in Domestic as well as Global market since many years to the "OEM segments" like Power Transmission, Crane & Hoist, Material Handling & earth moving equipment, Construction & mining equipment, Farm Machinery, Rolling mill, Electric motors, Textile, Steel, Paper & Cement Plant machinery etc. We are also supplying in "Government segments" like Indian Railways, India Defense Segment (Engine & power transmission), Earth



Since 1996

moving etc.

Key Benefits of workings with ZNL Bearings:

- Reverse Engineering of sample to bulk manufacturing to meet your special requirements.
- Certification & Awards: IATF 16949:2016 & ISO 9001:2015, 14001:2015, 45001:2018 certified quality standards, Star export house award for 3 consecutive years.
- Bulk Manufacturing: Production capacity of more than 25,00,000 bearings per year.
- Ultramodern Manufacturing Plant scattered on 11500 sq.mtrs.
- Company-wide SAP System: To track information from inquiry to delivery and post sales services stages, to ensure our clients for quick & reliable response.
- Large product range & inventories: To ensure availability in shortest possible time.
- Manufactured & tested at company's own production facility.
- Cost Effective: Quality Products at a competitive price with excellent service.
- Stability: Sustained Sales growth since last 16 years and well planned financial resources.
- Worldwide Presence: Distribution channel in more than 30 countries (Exports contribute more than 60% of Turnover).

SPHERICAL ROLLER BEARINGS

Range – 22205 to 22272, 22308 to 22380, 23024 to 23050, 23120 to 23150, 23936 to 23950, 24024 to 24050, 24124 to 24150

Min ID: 25mm to Max ID: 500mmS

Cage variant – Brass Cage, Steel Cage

TAPERED ROLLER BEARINGS

Range – 30202 to 30260, 30302 to 30360, 31303 to 31330, 32004 to 32064, 32204 to 32260, 32305 to 32324, 33009 to 33024, 33205 to 33220, 32908 to 32972

Min ID: 15mm to Max ID: 360mm

Cage Variant – Steel Cage

CYLINDRICAL ROLLER BEARINGS

Range – N, NU, NJ, NUP 204 to 248, 304 to 348, 405 to 420, 2205 to 2244, NU1008 to NU1060, NU5206 to NU5260, NCF3004 to NCF3015, SL045005PP to SL045096PP, SL181840 to SL185096

Min ID: 20mm to Max ID: 240mm

Cage Variant – Brass Cage, Steel Cage

DEEP GROOVE BALL BEARINGS

Range – 6000 to 6060, 6200 to 6240, 6300 to 6334, 6403 to 6420, 16004 to 16052, 61800 to 61880, 61900 to 61996

Min ID: 10mm to Max ID: 480mm

Cage Variant – Steel Cage

Available in plain, ZZ & 2RS type

ANGULAR CONTACT BALL BEARINGS

Range – 7200B to 7248B, 7302B to 7338B, 7404B to 7420B, 3200 to 3222, 3302 to 3322

Min ID: 10mm to Max ID: 240mm

Cage Variant – Steel Cage

SELF ALIGNING BALL BEARINGS

Range – 1204 to 1230, 1304 to 1322, 1405 to 1418, 2204 to 2222, 2305 to 2320, 11204 to 11212

Min ID: 20mm to Max ID: 150mm

Cage Variant – Steel, Brass and Polyamide Cage

THRUST BALL BEARINGS

Range – 51100 to 51160, 51200 to 51260, 51305 to 51340, 51405 to 51430, 52202 to 52240, 53205U to 53240U, 53405U to 53430U

Min ID: 10mm to Max ID: 300mm

Cage Variant – Steel & Brass Cage

PILLOW BLOCK BEARINGS

Range – UC, UCP, UCF, UCT, UCFC, UCFL, 204 to 220, UC, UCP, UCF, UCT, 304 to 328

Available in inch and mm



www.znlbearings.com

ADDENDUM

MACO CORPORATION (INDIA) PVT. LTD.

MACO's Mining Strategic Business Unit (SBU) partners with global leaders to offer world-class safety and productivity solutions for the mining industry. Our portfolio includes: ANSUL-TYCO (vehicle fire suppression), SHG (conveyor belt monitoring), WIRECO-CASAR (wire ropes), MST (dehydrating additives, shotcreting), MAESTRO (ventilation monitoring), ESCO (dragline buckets and chains), DANFOSS (clutches & brakes), DUCHTING (mining pumps), and MINEARC (rescue chambers). We also offer in-house developed MACO HEMM operator safety products. With deep domain expertise and a consultative approach, we support mining operations across India with turnkey solutions, preventive maintenance, and reliable after-sales service—ensuring safer and more efficient mines.

- Vehicle Fire Suppression Systems
- Refuge Chambers for Underground Mines
- Dehydrating additives for Mine Settling Basins & Shotcreting Products
- Mine Ventilation Monitoring System
- CASAR brand Wire Rope for Underground Mines
- Heavy duty pumps for Underground Mines
- Operator safety products for HEMM
- Conveyor Belt RIP Prevent System – Backed by AI
- Dragline Buckets, Chains and GET
- Clutches & Brakes for Electric Shovel and Dragline



www.macocorporation.com

India's leading Manufacturer of Tyre & Tube Repairs Since 1983

- Exports to over 30 countries
- Largest dealer network in India
- ISO 9001:2015 certified
- ISO 14001:2015 certified

Trusted Globally
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TYRE & TUBE REPAIR PATCHES
Manufactured Locally

- Tube Repair Patches
- Strings
- Tubeless Tyre Repair Kit
- OTR Patch
- CT- Radial Tyre Repair Patch
- BP- Bias Ply Tyre Repair Patch
- Uniseal Tubeless Tyre Repair

Visit us at www.unipatch.com

Unipatch Rubber Ltd,
10, Community Center, Saket, New Delhi
011-46222222, corporate@unipatchrubber.com

Post Show Report

The 10th edition of “IME - International Mining, Equipment & Mineral Exhibition” (concurrent with 10th Asian Mining Congress), organised by TAFCON alongwith MGMI, during November 6-9, 2023, was a grand success, as informed by VVIPs, Delegates, Exhibitors and Visitors.

It aimed to upgrade the future of mining and allied industries in India. The institutionalised event has been envisaged as a catalyst for the development of Mining, Mineral and allied sectors in India. The prestigious biennial international event of the sector “IME”, is India’s Largest Mining Exhibition. The event once again, proved to be an ideal platform for the global mining, mineral & metal producers, decision makers, bureaucrats, investors, industry leaders and other key stakeholders of the industry to congregate, display products, exchange technologies, new initiatives, negotiate for mutual business development and forge meaningful partnerships.

The event was inaugurated by “Chief Guest” Mr. Amrit Lal Meena, IAS, Secretary, Ministry of Coal, Government of India in the presence of ‘Guest of Honours’ Ms. Rowan Ainsworth, Consul General, Australian Consulate General, Kolkata; the other eminent dignitaries present on the occasion were President MGMI Dr. B. Veera Reddy, Director (Technical), Coal India Ltd., Mr. P.M. Prasad, CMD, Coal India Ltd., Mr. Bholu Singh, CMD, Northern Coalfields Ltd., Mr. Prasanna Kumar Motupalli, CMD, NLC India Ltd., Mr. Rajesh Nath, MD, VDMA.

High level Trade Delegations and Country Level Group Participation from Germany, Australia, Czech Republic, Poland and many other countries were a part of this important event. The Exhibition was participated by more than 446 exhibitors from Mining, Equipment, Mineral, Metals and other allied sectors for displaying their equipment, products, technologies, innovative applications and research & development along with large participation from mineral rich states of India such as Gujarat, Jharkhand, West Bengal, etc.

Concurrently, “Buyer Seller Meet” was organized on the second day of the event, which witnessed presentations from key stakeholders. It received an enthusiastic response from India and overseas.

Concurrent to “IME 2023”, international exhibitions on relevant subjects namely Steel & Metallurgy and Alternate Energy were also organised by TAFCON, which opened up new business opportunities to the participants in the relevant sectors.



Facts & Figures of Last Edition

446

Exhibitors

25,430

Footfalls

20

Countries

600

Delegates

60

Technical Papers

42,000 sqm.

Exhibition Area

Germany - Partner Country

Australia - Focus Country

Gujarat - Partner State

Jharkhand - Focus State

Few Glimpses of Last Edition



Few Glimpses of Last Edition



Few Glimpses of Last Edition





MINING | METAL | TECHNOLOGY EVENTS

October 30th - November 2nd, 2025 | Kolkata, India
(BROAD PROGRAMME)

DAY 1 - Thursday, October 30, 2025



11th Asian Mining Congress

10:00 Hrs

11th Asian Mining Congress Inauguration at JW Marriot

Theme: "Innovative & Responsible Mining for Inclusive Growth"

Chief Guest

- **Shri Vikram Dev Dutt, IAS**, Secretary, Ministry of Coal, Government of India

International Representatives from Partner Countries

- H.E. Anton Alikhanov, Minister of Industry and Trade of the Russian Federation
- H.E. Sergei Tsivilev, Minister of Energy of the Russian Federation
- H.E. Philip Green OAM, High Commissioner of Australia to India
- H.E. Barbara Voss, German Consulate General in Kolkata

Keynote Addresses by Eminent Speakers from Industry Titans

- Shri Amarendu Prakash, Chairman, Steel Authority of India Ltd.
- Shri T.V. Narendran, CEO & Managing Director, Tata Steel Ltd.



11:15 - 11:45 Hrs

Opening of the IME & ISME 2025 Exhibitions at Biswa Bangla Mela Prangan & Science City Ground

Ribbon-cutting by dignitaries followed by a visit to the Exhibitions.

12:00 - 12:30 Hrs

Media Interaction at **Coal Room**, Conference Hall, 1st Floor, Biswa Bangla Mela Prangan

11:00 - 17:30 Hrs.

Rubber Conference by Indian Rubber Materials Research Institute and IIT Kharagpur, alongwith MGMI / TAFCON at **Aluminium Room**, Conference Hall, 1st Floor, Biswa Bangla Mela Prangan

Theme: "Strategic Rubber Products for Mining Applications"

13:00 - 1400 Hrs

Conference Lunch at 1st Floor, Biswa Bangla Mela Prangan

13:00 - 17:30 Hrs

Innovation Seminar at **Steel Room**, Conference Hall, 1st Floor, Biswa Bangla Mela Prangan

Theme: "Innovations in Mining, Metal and Materials : shaping a sustainable and advanced future"

14:30 - 16:30 Hrs

"Buyer-Seller Meet" at **Coal Room**, Conference Hall, 1st Floor, Biswa Bangla Mela Prangan

Exhibition Timings:

Day 1 October 30 (Thursday)

10:00 AM - 06:00 PM

Day 2 October 31 (Friday)

10:00 AM - 06:00 PM

Day 3 November 1 (Saturday)

10:00 AM - 06:00 PM

Day 4 November 2 (Sunday)

10:00 AM - 04:00 PM (Closing Day)

DAY 2 - Friday, October 31, 2025

10:00 - 17:00 Hrs

International Metal Conference (IMC) at Hotel ITC Sonar

A full-day high level IMC conference, brings together Policy Makers, Stakeholders, State Governments and users etc.

Chief Guest

- **Shri H. D. Kumaraswamy**, Hon'ble Minister, Ministry of Steel & Heavy Industries, Government of India

Guest of Honor

- **Shri Sandeep Poundrik**, Secretary, Ministry of Steel, Government of India

Other Eminent Speakers

- Shri Sajjan Jindal, Chairman, JSW Group
- Shri Naveen Jindal, Chairman, Jindal Steel & Power Ltd. (JSPL Group)
- Shri Amarendu Prakash, Chairman, SAIL & Chairman Organizing Committee, International Metal Exhibition & Conference.
- Shri Brijendra Pratap Singh, CMD, NALCO
- Shri P.M. Prasad, Chairman, National Advisory Committee, 11th AMC & Chairman, CIL
- Shri J.P. Dwivedi, President, MGMI & CMD-WCL

11:00 - 13:00 Hrs

B2B Meetings of Indian Exhibitors & Foreign Buyers at **Steel Room**, Conference Hall, 1st Floor, Biswa Bangla Mela Prangan

13:00 - 14:00 Hrs

Conference Lunch at 1st Floor, Biswa Bangla Mela Prangan

13:00 - 16:30 Hrs

Technology Conference at **Coal Room**, Conference Hall, 1st Floor, Biswa Bangla Mela Prangan

A knowledge forum of National Science & Technology Leaders, Innovation Experts, Focussing on cutting-edge technologies in Mining, Material Science, Defence R&D and Railway applications.

Chief Guest

- **Shri Jayant Chaudhary**, Hon'ble MoS (I/C) for Ministry of Skill Development and Entrepreneurship, Government of India

Eminent Speakers & Panellists

- Dr. N. Kalaiselvi, Director General, CSIR & Secretary, DSIR, Government of India
- Dr. Samir V Kamat, Secretary, Defence R&D and Chairman, DRDO
- Shri Rajit Punhani, Secretary, Ministry of Skill Development and Entrepreneurship, Government of India
- Shri Braj Mohan Agrawal, Member (Traction & Rolling Stock), Railway Board, of Railways, Government of India

16:30 - 17:30 Hrs

Networking Tea / Coffee

DAY 3 - Saturday, November 1, 2025

11:00 - 11:20 Hrs

Visit to Exhibitions by Hon'ble Shri G. Kishan Reddy - Hon'ble Minister, Ministry of Coal & Mines, Government of India

11:30 - 13:30 Hrs

G2G Meetings at Hotel ITC Sonar by Ministry of Coal & Mines, GOI

Ministry of Coal & Mines have meetings with their counterparts of the Partner Countries.

Schedule

11:30 - 12:00 Hrs - **Russia**

- H.E. Anton Alikhanov, Minister of Industry and Trade of the Russian Federation
- H.E. Sergei Tsvilev, Minister of Energy of the Russian Federation
- H.E. Evgeny Griva, Dy. Trade Commissioner, Trade Representation of the Russian Federation in the Republic of India

12:15 - 12:45 Hrs - **Australia**

- H.E. Philip Green OAM, High Commissioner of Australia to India
- H.E. Nathan Davis, Trade and Investment Commissioner (Green Economy), South Asia, Austrade
- Mr. Partha Sen, Sr. Business Development Manager & Team Leader Resources & Energy, Austrade
- Ms. Trishna Wahengbam, Director - Green Economy, Austrade

13:00 - 13:30 Hrs - **Germany**

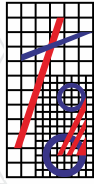
- H.E. Barbara Voss, German Consulate General in Kolkata
- Mr. Rajesh Nath, Managing Director, VDMA
- Mr. Sandip Roy, General Manager, VDMA

13:30 - 14:00 Hrs

Lunch

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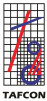
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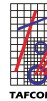
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Oct. 30th - Nov. 2nd, 2025

Science City Ground & Biswa Bangla Mela Prangan
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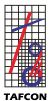
India Construction & Machinery Exhibition

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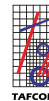
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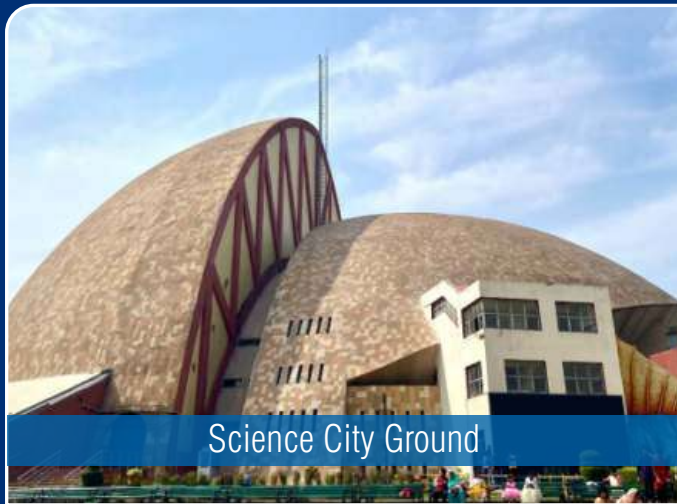
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Media Support (IME & ISME)



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For Congress:
MINING, GEOLOGICAL & METALLURGICAL INSTITUTE OF INDIA
GN-38/4, Sector-V, Salt Lake, Kolkata - 700091
West Bengal, India
Tel: +91-33-23573482 / 3987 / 6518
Email: office@mgmiindia.in
Website: www.mgmiindia.in

For Exhibition:
TAFCON PROJECTS INDIA PVT. LTD.
923 & 923A, Devika Tower, 6 Nehru Place,
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