



An AIEMA Initiative

15 - 19 June 2023

Chennai Trade Centre, Chennai, India

DAY 1 • 15 JUNE 2023, THURSDAY

THEME: SMART MANUFACTURING

AHEAD OF TIMES

ACMEE 2023: SHOWCASING SMART MANUFACTURING

The Ambattur Industrial Estate Manufacturers Association (AIEMA) is proud to present the 15th edition of ACMEE, India's leading international exhibition of machine tools. The event, organized at the Trade Centre in Chennai, opens its doors today and will continue until June 19, 2023. ACMEE 2023 promises to be a groundbreaking showcase of cutting-edge machine tools, attracting industry professionals and enthusiasts from across the globe.

The primary objective of ACMEE 2023 is to provide an exclusive opportunity for industry professionals to explore the latest advancements in machine tools and manufacturing technology from across the globe. This year's theme, Smart Manufacturing, emphasizes the integration of cutting-edge technologies such as artificial intelligence (AI), robotics, cybersecurity, Industrial Internet of Things (IIoT), and blockchain into the manufacturing ecosystem.

ACMEE 2023 is witnessing remarkable growth, with a significant increase in participation compared to its previous edition. A total of 435 companies from various countries have joined the exhibition, showcasing their expertise

Chief Guest
Thiru R.N. Ravi
Hon'ble Governor of Tamil Nadu

Inauguration of ACMEE 2023 will be at the hands of Thiru RN Ravi, Hon'ble Governor of Tamil Nadu

and solutions in an area of around 11,000 sq mt, spread across seven halls and featuring 105 international brands. The show is proud to have the support and sponsorship of 29 esteemed organizations

and is poised to welcome around 45,000 visitors.

To be continued on 2 ▶

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ML400



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MOTORUM 2048TS



CNC Servo Motor Driven Ram Turret Punch Press

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FINANCE LOUNGE

- Electronica Finance Ltd
- Ezlease Ventures Pvt Ltd
- ICICI Bank Ltd
- Indian Bank
- SIDBI
- Siemens Finance Service
- South Indian Bank Ltd
- Sundaram Finance Ltd



“ACMEE 2023 aims to showcase the latest in machine tools and production technology from all over the world and act as a catalyst for entrepreneurs and industrialists to embrace smart manufacturing and contribute directly to the ‘Make in India’ campaign.”

K SAI SATHYA KUMAR
Chairman
ACMEE 2023

PRODUCT LAUNCH

- **Date & Time:** June 15, 2023, at 2.00 PM
- **Venue:** Stall F-60A
- **Products to be Unveiled:** Machine Loading Arm, Machine Tending solution for CNC Jobshops, and Machine Monitoring App IIoT Solution for CNC Jobshops
- **To be launched by:** Gowri Kailasam, President, Steering and Linkage Division, Rane Madras Ltd (RML)

From page 1 ▶

The product profile includes Machine Tools, Metal Forming Technologies, Metrology Equipment, Industrial Automation Solutions and Robotics, and Related IT and Other Services.

ACMEE 2023 highlights

Inauguration at the hands of Chief Guest Thiru RN Ravi, Hon'ble Governor of Tamil Nadu will set the stage for an exciting showcase of innovative solutions in the field of machine tools and manufacturing technology.

The Ministry of MSME, Government of India, has recognized the importance of ACMEE 2023 and facilitated the participation of Micro, Small, and Medium Enterprises (MSMEs). ACMEE 2023 aims to generate substantial business worth INR 650 crore, showcasing the potential for fruitful collaborations and partnerships.

An exciting addition to this year's exhibition is the introduction of the Financial Lounge. This dedicated space brings together major financial institutions, including Electronica Finance Ltd, Ezlease Ventures Pvt Ltd, ICICI Bank Ltd, Indian Bank, SIDBI, Siemens

Finance Service, South Indian Bank Ltd, and Sundaram Finance Ltd. The Financial Lounge offers a unique opportunity for businesses to explore financial options and secure funding for their purchases, enabling them to harness the full potential of the showcased technologies.

Technical seminars, live demonstrations, and product launches are scheduled throughout the event, providing attendees with invaluable insights into the latest trends and advancements in the industry.

In conjunction with ACMEE 2023, International Buyers Meet will also

take place on June 16 and 17. A total of 30 international buyers of engineering goods are expected to participate. Coordinated by EEPC India and supported by the Ministry of Commerce, Government of India, this program aims to facilitate international buyer-seller interactions and foster international collaborations.

ORGANISED BY



India's Premier International Machine Tools Show

Inauguration by

Chief Guest

Thiru R.N. Ravi
Hon'ble Governor of Tamil Nadu

Guests of Honour

Thiru Satyakam Arya

Managing Director & CEO

Daimler India Commercial Vehicles Pvt. Ltd.,

Thiru Satish Sadasivan

Managing Director

Schunk Intec India Pvt. Ltd.,

10.00 am on Thursday 15th June 2023

at

Chennai Trade Centre

Nandambakkam, Chennai - 600 089.

ACMEE 2023
15th International Machine Tools Exhibition

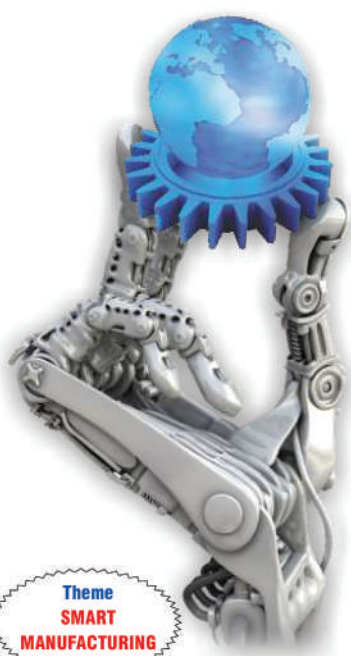
An AIEMA Initiative

15 - 19 June 2023

Chennai Trade Centre, Chennai, India

Title Sponsor

SCHUNK



Theme
SMART MANUFACTURING

435 Participants, 105 International Brands
Product Launches, Technical Sessions
Finance Lounge

Meet the World Leaders in
Machine Tools | Metal Forming | Metrology
Industrial Robotics & Automation



Special Guests of the day : Ms. Gowri Kailasam, President, Rane Madras

Mr. Tarek Albarazi, GM, Gaul Hydraulics India

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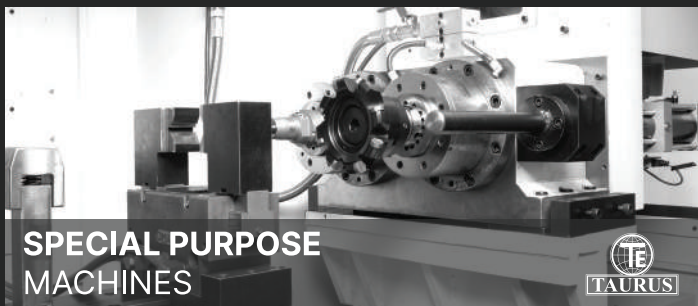
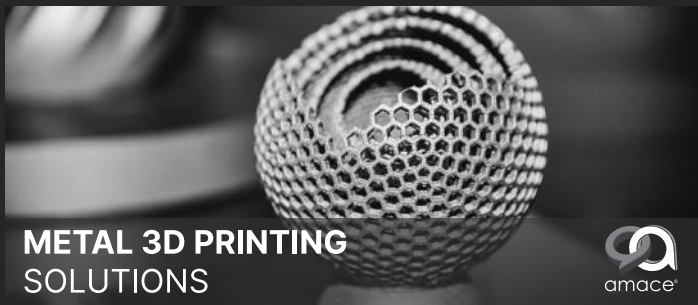
Open to Business Visitors

Children below 12 years not allowed

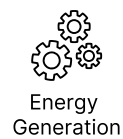
Timing : 9.30AM to 6.30PM

Website : www.acmee.in

ALL YOU NEED IN MACHINING



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HYDRAULIC PRESSES INCREDIBLY RELIABLE

Incredible Machines emerges as a premier manufacturer and supplier of top-notch hydraulic presses for a wide range of applications, including sheet metal forming, hot & cold forging, automotive interior forming, powder compacting, automation, and special purpose machines.

The qualified R&D and Design team is backed by the latest CAD-CAM software to design in such a way that the machines offer the best performance, safety, and reliability. The whole company is connected with an ERP system to maximize the efficiency of inter-departmental work and coordination and remove the loopholes in communication. 

Incredible Machines
www.incrediblemachines.in
 Hall & Stall: G-28

COMPOSITE CUTTING MACHINES A CUT ABOVE THE REST

Composites have become essential materials in various modern applications such as Aerospace, Automobiles, and Industrial products. In order to perform quality control and research, it is necessary to section the composites and extract samples for testing.

Chennai Metco, a leading provider in the field, offers a precision composite sectioning machine that ensures easy and effective sample extraction. The machine features a user-friendly touchscreen with optional preset programs, making it intuitive to operate. With its fully automated 3-axis automation and proven software, the machine guarantees precise cuts. In situations where manual intervention is required, a manual override function is available for convenience.


One of the key features of the machine is its automatic feeder, which provides a gentle and jerk-free gliding motion necessary for handling sensitive

composites. The intelligent feed control system adjusts the feed rate based on the cutting resistance encountered during the sectioning process. Additionally, the machine is equipped with a quick and effective sample holding clamping system to ensure secure positioning.

To facilitate accurate cutting, the machine includes a laser line marking system that visually aligns the cutting plane. This ensures that the cuts are made in the predetermined plane with precision. Moreover, the machine offers the flexibility of both wet and dry cutting, allowing users to choose the most suitable option based on the sensitivity of the composite being worked on.




Source: Chennai Metco Pvt Ltd

In addition to the cutting machine, Chennai Metco provides all the necessary consumables, including diamond blades and coolant oil. 

Chennai Metco Pvt Ltd
www.chennaietco.com
 Hall & Stall: B-66

VERTICAL MACHINING CENTERS GEN-NEXT FOR DIE-MOLD APPS

To match the demand for greater accuracy and total reliability at a high speed, Jyoti CNC Automation Ltd has developed a range of Vertical Machining Centers as the Performance Series. The VMC 1370 NVU is another advanced and improved Gen-Next variant under the series. With its broad-based C-Frame rigid structure and construction, the cutting-edge machine is most suited to cater to the needs of high-end Die-Mold applications. The machine features an advanced design with an attractive and dynamic appearance, setting it apart from others in its class. The special guarding with LED lighting adds to its exceptional features. The machine has X/Y/Z stroke of 1300/700/700 mm, and the table size is 1500 x 700 mm, which makes this machine suitable for heavy precision work for large-sized components. 




Source: Jyoti CNC Automation Ltd

Jyoti CNC Automation Ltd
www.jyoti.co.in
 Hall & Stall: B-122


CAM/CAE SOFTWARE SOLUTIONS ENHANCING PRODUCTIVITY

EUC TECH focuses on improving the productivity and profitability of organizations by introducing and implementing the ultimate design and manufacturing practices through world-class high-accuracy machines, software sales, software support, consultancy for flow analysis, and engineering software services.

The product portfolio includes Visi CAD/CAM/ Mold/Flow/Electrode/PEPS/ Reverse/Progress, WorkNC, Edgcam, AlphaCAM, Radan, Cabinet Vision, WorkXplore, and WorkPlan. 

EUC TECH
www.euctech.com
 Hall & Stall: D-48

FANS AND MOTORS MOTORS TO DRIVE INNOVATION

Rexnord manufactures Fans and Motors since 1984 and has been constantly upgrading its quality. The company has embraced automation, which has helped it increase its production of quality products and be cost-effective. A total of 80 percent of its produce is consumed by the domestic market and 20 percent gets exported to foreign customers. 

Rexnord Electronics & Controls Ltd
www.rexnordindia.com
 Hall & Stall: G-5a



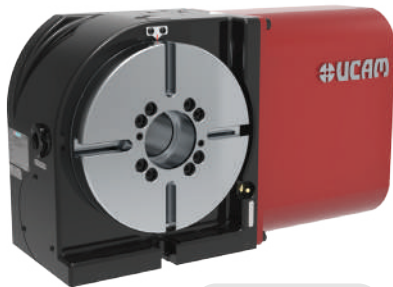
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Industrial Area, Bengaluru - 560 058, INDIA

TURNING CENTERS 'S TURN I' FROM LMW

Lakshmi Machine Works Ltd is featuring a next-gen and contemporary turning center at ACMEE 2023. The state-of-the-art turning machine has a maximum turning diameter of 320 mm and a maximum turning length of 400 mm. It has an 8-station hydraulic turret, allowing for efficient and precise tool changes during operations. Additionally, the spindle speed of 4,500 rpm and spindle power of 5.5/7.5 kW allow for fast and powerful cutting operations. This makes the machine suitable for a wide range of applications, from high-volume production runs to precision machining of complex parts.

The improved axis rigidity ensures the positional accuracy and repeatability. The enhanced structure for chip evacuation also contributes to the machine's high level of performance by effectively removing chips. This machine is an excellent choice for high-quality, reliable turning capabilities. It is suitable for Automobile, Fittings, Pumps & Valves, and General Engineering among many other sectors.



Lakshmi Machine Works Ltd
www.lmwnc.com
Hall & Stall: LMW/B-72

AUTO COMPONENTS SETTING INDUSTRY STANDARD

Globe Components is a leading auto components manufacturing company with a proven track record of delivering high-quality products and exceptional customer service to OEMs and Tier-1 companies. The auto components it produces include transmissions, steering systems, fuel injections, hydraulic systems, auto electrical, etc. The product range includes machined castings, forgings, gears, splined shafts, pinions, rack bars, sprockets, etc.

Globe Components Pvt Ltd
www.globe-india.com
Hall & Stall: D-76

TUBES THINKING SMART

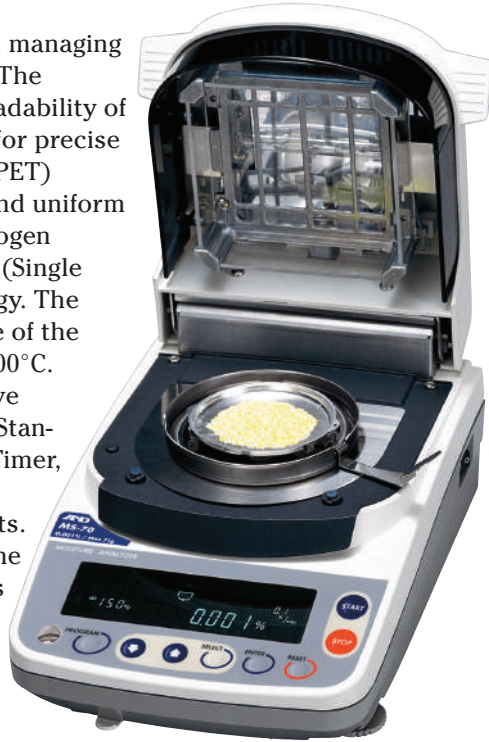
Tubemann India – Unit of Kongu Engineers – is located in Coimbatore and is specialized in manufacturing Precision Steel Tubes. Its products include: CNC Machined and Robotic Welded Tubular Components for Automotive & Non-Automotive, Hydraulics, Farm Equipment, Pumps, Textile Machinery, and Power sectors; Precision SRB / Honed Tubes and Ready to assemble Sub-Assemblies for Hydraulic Cylinders; CNC Machined Tubular Parts & Sub-Assemblies for Submersible Pumps; Precision Cold Drawn Tubes – MS and SS – Seamless & Welded (CDS/CDW); and Stainless Steel Welded Tubes.

Tubemann India
(Unit of Kongu Engineers)
www.konguindia.com
Hall & Stall: G-17

MOISTURE ANALYZERS ADDRESSING WATER WOES

A&D's made in Japan Moisture Analyzer is a trusted product by many industries. It is user-friendly and easy to use and maintain and saves time.

With the WinCT software, managing data becomes effortless. The analyzer's exceptional readability of 10 ppm (0.001%) is ideal for precise measurement of plastic (PET) pellets. Experience fast and uniform heating thanks to the halogen lamp and innovative SRA (Single Reflection ATR) technology. The drying temperature range of the analyzer spans from 30-200°C. Users can choose from five measurement programs: Standard, Automatic, Quick, Timer, and Manual Mode, to suit their specific requirements. The analyzer allows for the storage and simultaneous output of up to 20 programs and 100 data entries. Selectable heating modes include standard, quick, step, and ramp heating.



Source: A&D Instruments India Pvt Ltd

A&D Instruments India Pvt Ltd
(Subsidiary of A&D Company, Ltd., Japan)
www.aanddindia.in
Hall & Stall: C-131

ROTARY TABLES URQ 250 FROM UCAM

The URQ 250, a standout product from UCAM's new and improved Q series, offers a 30 percent reduction in size and weight compared to traditional rotary tables. This compactness allows for improved acceleration and deceleration, leading to faster production cycles. By enhancing productivity and reducing errors, the URQ 250 enables manufacturers to reach exceptional quality standards.

Engineered to revolutionize diverse industries - including agriculture, automotive, mining, and medical device manufacturing - the URQ 250 is known for its robust design, direct drive technology, and high positioning accuracy, which aid in machining complex components. It is compatible with a wide range of manufacturing systems and software, providing versatility and integration ease.

Additional standout features of the URQ 250 include: ease of installation, versatility, superior aesthetics, and long-lasting performance with minimal downtime.

Boost your machining capabilities with UCAM's rotary tables, and experience firsthand the improvements they bring to a machine's performance, reliability, and efficiency.



Source: UCAM Pvt Ltd

UCAM Pvt Ltd
www.ucamind.com
Hall & Stall: A-60

MACHINING CENTERS AMS' NEW COMPACT & PRECISE 740V

With globalization in the die and mold industry, there has been a lot more emphasis on the quality of molds used in different industry segments. The industry also demands innovative technologies and resourceful products.

Moreover, cost competitiveness through shorter run time and upgrading productivity are some of its foremost deliverables. The die and mold industry in India has evolved over the years and now has a significant position in the global manufacturing landscape.

Why AMS?

AMS is the largest manufacturer of machining centers in India. AMS provides you with machines that are the best in quality and productivity. The company offers a range of products for machining components of variable sizes for the die and mold industry, starting from 730V to 1690V.

At ACMEE 2023, AMS is displaying 740V, which is a precise, compact, cost-competitive, and feature-loaded machine suitable for high-precision die cutting. The key features of which include a compact footprint; versatility suitable for the die and mold and other applications; value for money; its guarantee for maximum ROI; effective chip handling system with twin chute type; and control systems such as - Fanuc or Siemens or Mitsubishi.

Product features

The 740V is compact and rigid with lower floor space along with a wider front and side opening that facilitates the operator to easily access the worktable.

Additionally, the 740V is equipped with a direct drive high-speed spindle up to 10,000 rpm. The roller guideways in all three axes increase the accuracy and quality while machining the component. Moreover, a die and mold kit is being provided for hassle-free working. The kit comprises a Coolant gun, Air blast, Handheld MPG, AC Unit for electrical cabinet, Tool rack stand, Airline nozzle, Power failure detection feature, 3-Tier lamp, and a Swivelling pendent.

Brief specs of 740V

- Table size: 900x400 mm
- Large load-carrying capacity up to 800 kg
- Strokes: 760/425/470 mm
- Higher spindle speed 10,000 rpm
- Rapids: 24/24/24 m/min

AMS provides various chip-handling systems for a better work environment. The company provides top-quality products by conducting rigorous Laser, Ball bar, and NAS tests. Through these comprehensive testing processes, it ensures that its products meet the highest standards of quality, performance, and reliability.



Source: Ace Manufacturing Systems

Ace Manufacturing Systems
AceMicromatic Group
www.acemicromatic.net
Hall & Stall: AMS/A-100 & A-101

MULTI-TASKING MACHINES HIGH-PRODUCTIVITY MULTI-TASKER MT200

MT200 from Murata Machinery, Ltd (Muratec) is an ultimate multi-tasker with opposed twin in-line spindles. MT200 comes with Turning & Milling capabilities, all combined in one machine. The machine can be configured with 2 or 3 Turrets. It comes with a 'Y' axis on all Turrets and has Live Tool function on all turrets and stations. This offers flexible automation with bar work and chuck capabilities. The operator can realize two tools in a single cut.

The programmer can use various cutting variations available to use 2 turrets or 3 turrets with the Y Axis for the best cutting process in turning and milling simultaneously. MT200 offers process integration to complete the work in one setup. Small and large workpieces up to 200 mm can be accommodated.

Large-sized bar feeders up to 80 mm is an option. Selectable spindle drive motors and speed ranges are available from 11 kW/15 kW - 18.5 kW as an option. High-speed 3 axes CNC Gantry Loader will be an additional advantage for non-stop production. The Loader can help in handling heavier parts.

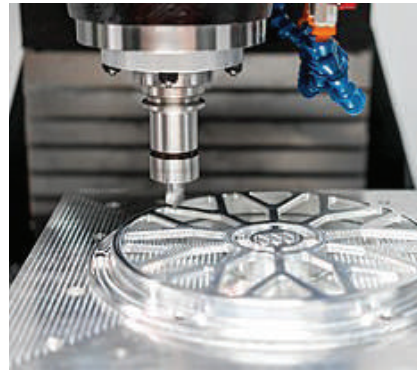


Source: Meiban Engineering Technologies Pvt Ltd

Meiban Engineering Technologies Pvt Ltd
www.meibanengg.com
Hall & Stall: B-86

The suitable applications span across various industries, including automotive, non-automotive, hydraulics, pneumatics, aerospace, medical, oil & gas, precision engineering, die & molds, and more. Some typical components include Shafts, AC compressor cylinder blocks, Parts for CNG fittings, Differential cases, etc.

CNC CONTROLLERS CNC CONTROLLER WITH HMI



Machine tools are usually used for precise metal cutting for metal parts processing. They are widely used in industries such as automobiles, aerospace, national defense, machinery, molds, electronics, generators, and

more. Delta provides a high-performance general-purpose CNC controller conforming to the international standard ISO G Code, and it integrates with a customizable human machine interface (HMI) for easy operation. The CNC controller comes with Delta's AC Servo Drive ASDA-A3 Series, PMSMs (Permanent-Magnet Synchronous Motor), and AC motor drives to achieve quick data transmission via DMCNET, precise control of the motor's constant speed and torque, and precise positioning of the machine tool.

Delta continues to cooperate closely with industries to develop more advanced and industry-specific CNC solutions to help customers enhance their sufficiency and competitiveness in the market.

Delta Electronics India Pvt Ltd
www.deltaelectronicsindia.com
Hall & Stall: B-106

Source: Delta Electronics India Pvt Ltd

POWER TRANSMISSION SOLUTIONS EXCEEDING CUSTOMERS' EXPECTATIONS

Gates Corporation is a leading manufacturer of application-specific fluid power and power transmission solutions. As part of Gates Corporation, Fluid Power Engineering is driven to push the boundaries of materials science to engineer products that continually exceed expectations. With a team of more than 1,500 employees, four world-class manufacturing facilities, two corporate offices, and a countrywide network of over 280 distributors, the company is constantly expanding its product catalog and value-added service offerings to support every facet of its customers' operations.

Fluid Power Engineering
www.fluidpower.in
Hall & Stall: C-85

INDUSTRIAL & ROAD SAFETY EQUIPMENT SAFETY IS KEY

Pioneer Tools and Hardware has been a trusted supplier of industrial and road safety equipment since 1978. It is a channel partner of Karam, Venus, Hadid, Mangla, and Tagra. Its latest offerings from Hadid includes Toe Guards, Knee Guards, and Safe Bumps. The company's popular model HSB-52 is a Safe Bump widely used to protect property and prevent injuries on right angle edges.

Pioneer Tools and Hardware
www.pioneersafety.com
Hall & Stall: C-143

WPM SYSTEMS INDUSTRY 4.0 AT THE HIGHEST LEVEL

The core requirements of any Stamping plant are automation and zero-defect production. The FIBRO Wireless Pressure Monitoring System (WPM) monitors gas springs in all areas where cable or hose-reliant systems reach their technical limitations or are simply uneconomical.

The WPM system constantly monitors the temperature and pressure in gas springs. It consists of a data part and a sensor, which transmit wireless data to any designated Windows-based system. Custom software analyzes the data and initializes the necessary process control and pre-emptive maintenance steps accordingly.

FIBRO, with the WPM system for the fourth industrial revolution, provides a product and technology that supports concepts of intelligent processes and networked machines/tools.



Source: FIBRO India Precision Products Pvt Ltd

Some advantages include: around-the-clock monitoring and documentation; early warning signaling; pre-emptive wear detection and targeted troubleshooting; prevention of downtime and secondary failures and optimized maintenance intervals and reduction of maintenance and repair costs.

FIBRO India Precision Products Pvt Ltd
www.fibroindia.in
Hall & Stall: B-74

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JD1

High Speed
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J6

Versatile
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