

SHOW DAILY

DAY 3 | SATURDAY, AUGUST 12, 2017

DELHI
MACHINE TOOL EXPO 2017
10 -13, August 2017
HALL 11, 12 & 12A
Pragati Maidan, New Delhi

Special Pavilions

METROLOGY EXPO
Exhibition for Testing Instrument,
Metrology and Equipment | 2017

WELDEXPO
Exhibition for Welding, Cutting & Joining | 2017

Published By



Indian Machine Tool
Manufacturers' Association

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Companies participating in DMTX share their insights on the trends and market for Metrology.

PRECISION MEASUREMENT

Accuracy matters

The huge increase in the quality of today's products calls for attention to the minutest of details which has been made possible by metrology technology.

An interaction with the exhibitors at Metrology 2017 Expo helped gain an insight into the Indian Market. Though there is a high potential in the upcoming Indian market, most solutions are still being imported. The Indian automotive sector, predominantly, is the growth accelerator for the metrology segment.

Insiders speak

Anup Verma, Managing Director,
Hexagon Metrology India Pvt Ltd,

said, "Over the last few years, quality consciousness has greatly increased among customers, which is a major factor behind our rapid expansion." New compliance rules and implementation of GST have also influenced the growth of the metrology vendors. Sanjay Sangam, National Sales Manager, Renishaw Metrology Systems Ltd, shared, "Post GST implementation, our

Continued on page 2

परिशुद्धता मापन

सटीकता मायने रखती है

आज के उत्पादों की गुणवत्ता में काफी बढ़ोतरी के कारण सूक्ष्म से भी सूक्ष्म विवरणों पर भी ध्यान देना आवश्यक हो गया है और मेट्रोलोजी प्रौद्योगिकी ने इसे संभव बना दिया है।

मेट्रोलोजी 2017 एक्सपो में प्रदर्शकों के साथ बातचीत से भारतीय बाजार की अंतर्दृष्टि प्राप्त करने में सहायत मिली। हालांकि, आगामी भारतीय बाजार की क्षमता काफी अधिक है, पर फिर भी अधिकांश समाधानों का आयात किया जा रहा है। मेट्रोलोजी सेगमेंट के लिए भारतीय ऑटोमोटिव क्षेत्र प्रधान रूप से विकास त्वरक है।

अंदरूनी सूत्रों के कथन

हेक्सागोन मेट्रोलोजी इंडिया प्राइवेट लिमिटेड के प्रबंध निदेशक अनूप वर्मा ने कहा, "पिछले कुछ वर्षों में, ग्राहकों में गुणवत्ता को लेकर सचेतना

काफी बढ़ गई है, जो हमारे द्रुत विस्तारण के पीछे का मुख्य कारण है।"

नव अनुपालन नियमों और जी.एस.टी लागू होने से भी मेट्रोलोजी विक्रेताओं का विकास प्रभावित हुआ है। रेनिशॉ मेट्रोलोजी सिस्टम्स लिमिटेड के राष्ट्रीय विक्रय प्रबंधक संजय संगम ने बताया कि "जी.एस.टी लागू होने के बाद, हमारा बाजार विस्तृत हो रहा है। इसके अलावा, हमारे बाजार पर बी.एस.-IV उत्सर्जन मानकों का अनुपालन न करने वाले वाहनों के विक्रय या पंजीकरण पर प्रतिबंध का सकारात्मक प्रभाव पड़ा है।" मितुतोयो साउथ एशिया प्राइवेट लिमिटेड के विक्रय विभाग के क्षेत्रीय अध्यक्ष (उत्तर भारत)

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Hall-11, Stall No. A117

MITSUBISHI CNC
THE CUTTING EDGE OF MACHINING CONTROL

Continued from page 1

market is expanding. Also, restriction on sale or registration of vehicles that do not comply with BS-IV emission standard has positively influenced our market."

Neeraj Vohra, Regional Head (North India), Sales, Mitutoyo South Asia Pvt Ltd, informed, "As the criticalities of production are increasing and the tolerances are becoming increasingly narrower to maintain the global standard, the machine tool manufacturers are leaning towards better metrology solutions."

"Of late there is a trend of the non-

contact method. We are gaining good orders from quality controls, shopfloors and R&D areas," said Saravanan Desai, National Manager, Carl Zeiss.

Advitiya Goel, Assistant Manager, Sales & Marketing, APM Technologies, said, "In Indian market, the demand for metrological products is increasing exponentially. Earlier the Indian customers were interested in tactile measurement, now they are shifting towards 3D digital measurement technology."

Hence, to keep pace with the modern production requirements, it is natural for the industry to embrace the latest in technology and do away with the long, complex and inefficient inspection methods.

नीरज वोहरा ने सूचित किया, "वैश्विक मानदंड बनाए रखने के लिए जैसे-जैसे उत्पादन की क्रांतिकता बढ़ रही है और छूट की सीमा लगातार घटती जा रही है, मशीन टूल के निर्माता बेहतर मेट्रोलोजी समाधानों के तरफ झुक रहे हैं।"

कार्ल जीस के राष्ट्रीय प्रबंधक सरवनन देसाई ने कहा, "फिलहाल गैर-संपर्क पद्धतियों का चलन है। हमें गुणवत्ता नियंत्रणों, कारखानों और अनुसंधान तथा विकास क्षेत्रों से अच्छे ऑर्डर्स मिल रहे हैं।"

ए.पी.एम.टी टेक्नोलॉजीस के विक्रय और विपणन

विभाग के सहायक प्रबंधक अद्वितीय गोयल ने कहा, "भारतीय बाजार में, मेट्रोलोजिकल उत्पादों की मांग चरघातांकी रूप से बढ़ रही है। पहले भारतीय ग्राहक स्पर्श मापन में रुचि रखते थे, अब उनका रुझान 3डी डिजिटल मापन प्रौद्योगिकी के तरफ है।"

अतः, आधुनिक उत्पादन आवश्यकताओं के साथ कदम से कदम मिलाकर चलने के लिए यह स्वाभाविक है कि उद्योग आधुनिक प्रौद्योगिकियों को अपनाएगा और दीर्घ, जटिल और अदक्ष निरीक्षण पद्धतियों का त्याग करेगा।

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CUTTING TOOLS

SHAPING UP A VISION

The latest entrant in cutting tools space, Duracarb India aims to reach out to a large number of end-users by participating in DMTX 2017. A look at the company's offerings and its vision post event...

Duracarb in India was started with a vision to offer customers a good alternative in cutting tools for metal working applications, offering the complete range of latest generation standard cutting tools for turning, milling and hole making applications.

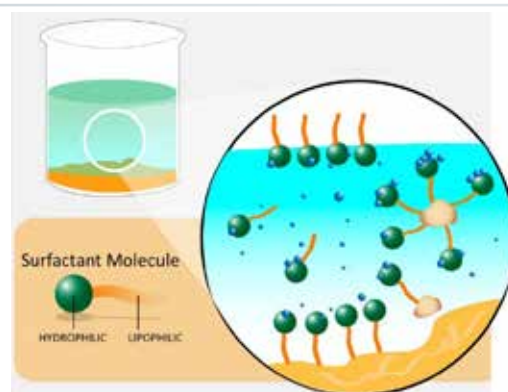
"Our decision to produce all the tools locally, without compromising on technology and quality, is towards ensuring that the latest technology products are made available to our customers at reasonable and stable prices and we can also contribute to the "Make in India" initiative in our own small way," says N Srikrishnan, Business Head, Duracarb India.

Product offerings

The company is showcasing its products such as D-Mill, D-Cut, DEC-Drill in its maiden participation in DMTX. Its inserts for turning, milling, drilling in various grades are suitable to machine various materials like Steel, Stainless Steel, Cast Iron, Aluminum and Super Alloys.



Duracarb India
www.duracarb.com
Hall: 11 / Stall: A102



Zavenir Daubert India Pvt Ltd
www.zavenir.com

Hall: 11 / Stall: A104

METAL WORKING FLUIDS

CLEANING WITHOUT COMPROMISE

Benefits of the cleaners include superb cleaning effect, no foaming even at high pressures, better surface preparation for rust protection and longer bath life.

HAKUPUR cleaners from Zavenir Daubert harness the power of multi-functional power surfactants (combination of non-ionic and cationic surfactants) to deterge versatile organic and inorganic soils. The dynamics of this range of cleaners induces a superb cleaning effect without compromising on the critical factors for industrial applications such as

foaming, where bubbles or drops are rapidly generated and need to be stabilised. The benefits include superb cleaning effect, no foaming even at high pressures, better surface preparation for rust protection and longer bath life. Other advantages are reduction of tool wear, optimisation of surface finishes, better release of tramp oils and better product shelf life owing to high bio-stability.

METAL FABRICATION

FAB MACHINE FROM BFW

Bharat Fritz Werner Ltd
www.bfwindia.com
Hall: 11 / Stall: 106



The machine has BFW's characteristic robust design and operates with the highest machining parameters possible.

The FAB machine from BFW is a 5 axis machining set-up wherein all machining operations including deburr is carried out in one clamping operation. This allows for international accepted levels of accuracies and tolerances. It has an automatic skew correction feature based on a high end algorithm which reduces rejections. The FAB suits robotic and gantry loading and unloading operations, thereby enhancing machine utilization. The machine has BFW's characteristic robust design and operates with the highest machining parameters possible. It achieves an amazing cycle time of 12-15 minutes per component. It has been developed on a flexible GPM concept and can take multiple variants with SMED and One Touch Set-up change-over techniques.

Introducing JV55 TWIN

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ENERGY

MEDICAL

TOOLING

MACHINE
CONSTRUCTION

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STALL : B-121




INTEGRATED SOLUTIONS

TURNING
MILLING
TURNMILL



TAIWAN PRESENCE @ DMTX

FORGING TIES WITH INDIA



Rohit Rai, Managing Director,
Tongtai Machine & Tools Co Ltd



Hsien - Ning Huang,
Echaintool Industry Co Ltd



Kuan-Lin Liu,
HuenChen Machinery Co Ltd

Tongtai Machine & Tools
Co Ltd

The company was established in 1969 and today its main products include customized machine tools, Machining Center, CNC Lathe and PCB drilling machine. In providing turnkey projects, which Tongtai is proud of, it manages the entire machine manufacturing process from choosing appropriate machine model to constructing that machine and assuring its high performance. "We have also established "Tongtai Technical Application Center" (T-TAC) to provide advanced machining technologies, machining solutions as well as trial tests to our customers and ensure them excellent experiences in machine operation, maintenance convenience and machine availability. At DMTX, we are displaying the advanced and faster CNC VMC," shared Rohit Rai, Managing Director, Tongtai Machine & Tools Co Ltd.

Tongtai Machine & Tools Co Ltd
www.tongtai.com.tw
Hall 12 / Stall B113

Echaintool Industry
Co Ltd

The company specializes in producing international standard cutting tools such as tool holders, boring bars, threading tools, grooving tools, end mills, rapid drills and carbide end mills. At DMTX, the company is focusing on its latest products - MU series Carbide end mills with round edge for stainless steel and steel and MU2 series Carbide end mills with double edge for aluminum. These are new designs that improve the chip breaker effects of the old products. The carbide end mills come with Hardness 55HRC, which extends the lifetime of the tools. In the near future it will launch 65HRC hardness series. "Through the show, we aim to enhance awareness of our brand 'Echain' and also increase our market share in the Indian market. We have agents and distribution channels in India that will help us gain recognition in the country," shared Hsien - Ning Huang from Echaintool Industry Co Ltd.

Hsien - Ning Huang
Echaintool Industry Co Ltd
www.echaintool.com
Hall 12A / Stall A121

HuenChen Machinery
Co Ltd

It is the largest riveting machine manufacturer and exporter in Taiwan providing various types of riveting machines for industries such as aerospace, automotive, bag, golf bag, baby stroller, cooker, furniture etc. In addition, we provide automatic riveting machines according to customers' requirements. At DMTX 2017, it is displaying its radial riveting machine that is the most advanced spin riveting machine. The machine's rotating path is similar to eleven rose-petals. The structure and fibers of the finished rivet are much superior to the ones achieved by the orbital way. The rotating process does not damage rivets' coating. Besides, it has the advantages of less friction and better safety. "Through the show, we want to demonstrate how exactly does an automatic riveting machine work. We are looking for a partner in India to expand our business here," shared Kuan-Lin Liu from HuenChen Machinery Co Ltd.

HuenChen Machinery Co Ltd
www.huenchen.com.tw
Hall 12A / Stall B124

VTX-7 Drilling &
Tapping Center



HC-OR20 radial
riveting machine



Solutions from
Chain-Headway
Machine Tools Co Ltd



With a number of Taiwanese companies under one roof of DMTX 2017, one cannot help but wonder the potential of the Indian market that has drawn them to the country. An exchange to know about their core competence and how the show is instrumental in shaping their blueprint.



Leo Lee
Chain-Headway Machine Tools Co Ltd



Yogendra Sahu
MegaTek Machinery Pvt Ltd (Simco)



Han Chiang and Carrie Hsieh,
Hann Kuen Hardware Machinery Co Ltd

Chain-Headway Machine Tools Co Ltd

The company's focus is on cutting edge solutions and customized production to suit various kinds of manufacturing needs. PNER COLLET HOLDER is its latest SYIC brand product for improving machining accuracy, extending tool life, reducing the cost, and improving the efficiency of production. PNER Pro-Line series is highly recommended for high efficiency and high precision.

"We realize that the South-East Asia and the South Asia markets are rapidly growing and have immense potential, especially the Indian market. Hence, we have one sales representative in Chennai since October 2016. At DMTX, we are displaying our Polygon-taper tool holder and PCD inserts with our mirror face milling cutters. The PCD insert is one of our products that can cater to the automotive and electronics industries in India. The show is a chance for us to find more distributors to spread awareness of our products and promote them," emphasized Leo Lee from Chain-Headway Machine Tools Co Ltd.

Chain-Headway Machine Tools Co Ltd
www.chmt.com.tw/en/home.php
Hall 12A / Stall B122

MegaTek Machinery Pvt Ltd (Simco)

Founded in 1980, the company is a major supplier of spring machines and peripheral equipment in Taiwan for over 20 years. It specializes in: CNC Spring Former, CNC Spring Coiler, CNC Tension Spring Machine, CNC Spring End Grinder, CNC Wire/Strip Forming Machine, Furnace and Spring Testing Machine. At DMTX, the company is demonstrating its coiling and forming technologies. "We aim to spread awareness regarding our brand through the show and expand. Our next move is setting up a semi-finished machine assembly in India," shared Yogendra Sahu from MegaTek Machinery Pvt Ltd (Simco).

MegaTek Machinery Pvt Ltd (Simco)
www.simcotw.com/index.php/en/about
Hall 12A / Stall A111

Hann Kuen Hardware Machinery Co Ltd

The company is a leading spindle brand in Taiwan and has continued to invest in product 'innovation, quality and service'. It manufactures drilling, tapping, milling, boring spindle head units, hydraulic, lead screw slides, and provides relative machinery accessories. "We have received a lot of inquiry from India this year, and would like to have our agents here. Since, we are showcasing our pneumatic and hydraulic spindle head units and slides at DMTX, we hope to be known in the market and get orders from India," shared Han Chiang and Carrie Hsieh from Hann Kuen Hardware Machinery Co. Ltd.

Hann Kuen Hardware Machinery Co Ltd
www.hardy-tw.com
Hall 12A / Stall A123



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CNC MACHINE TOOLS

REACHING THE UNREACHED

Phillips Machine Tools India Ltd has always believed in and adhered to the formula of Going Global and Acting Local. The company puts this into practice by being part of DMTX 2017, which it deems to be a great platform for small, medium and large industries to get access to world class technology.

Phillips Machine Tools is a supplier of manufacturing technology products and services primarily focused on CNC machine tools (metalworking). The company has participated in the current edition of DMTX and is already highly optimistic about it. "The show has been receiving great response from the visitors as well as exhibitors," said Nikhil Modi, Marketing Manager, Phillips Machine Tools India.



"DMTX offers a great platform to small, medium and large scale industries to get access to world class technology. It acts on the fantastic formula that we have always believed in: Go Global, Act Local."

Nikhil Modi, Marketing Manager,
Phillips Machine Tools India

Sharing the best

"This year we are bringing the world's best-selling Haas VMC VF-2 to DMTX," informed Modi. Along with VF-2, the company is displaying its high-performance Turning Center Haas ST-10Y, Surface Grinder from KENT – KGS 84 AHD and Maple VMC ME 1060.

which is available at 43 percent discount for DMTX visitors.

Garnering great response

The company has extended its limited time offer on Haas VMCs VF-2 and VF-4

Phillips Machine Tools India
www.phillipscorp.com
Hall 11 / Stall B119

METROLOGY

ADVENT OF A PRECISION
MEASURING INSTRUMENT

With half a century of experience in the industry and quite many awards to its credit, Accurate has developed many a machine that have come to the rescue of its customers. Following is the account of one such system for Jaya Hind Industries Ltd.



Advanced Multi-Gauging System

With over 54 years of experience in the industry, Accurate today enjoys the position of the largest manufacturer of Precision Measuring Instruments and 3D CMMs in India.

Challenge:

- To measure the Transmission casing
- Time for inspection of the components
- To check the coordinates according to the diameters
- To have the traceability to the parts since they are exported

Solution:

- Advanced Automated Multigauging Station

Accurate recently developed a gauging system for Jaya Hind Industries Ltd to cater to its customer Getrag Transmissions in Germany, who needed a system for the measurement of the transmission casing; to measure time for inspection of the components, check the coordinates according to the diameters and have the traceability to the parts since they are exported.

Advanced Multi-Gauging System

Accurate resolved it with its automatic measurement system called Advanced Multi-Gauging System that measures more than 100 features for diameter and positional tolerances. It comes with a Vision Camera and Scanner Bar code with the marking of OK Parts and temperature compensation for the part and ambiance. Its hardened and stabilized masters are traceable to National/International Standards. The system has been equipped with safety features; proven and renowned sensors, electronics and software; and

in-built Poka Yoke for a missing operation. It has the capability to measure diameters, position and ISO features, and also has advanced SPC capabilities. The gauging system is IoT-ready for sending feedback to the CNC machining center. The typical cycle time for the measurement is 45 seconds.

Formal recognition

Accurate is playing a remarkable role in the industry with its 7 NABL accredited calibration laboratories across the country that follow ISO/IEC 17025 to maintain quality management system in testing and calibration. The accreditation fetches the labs the recognition of being competent, thus providing a ready means for customers to find reliable testing and calibration services to meet their needs.

Accurate Sales and Services Pvt Ltd
www accurategauging.com
Hall 12 / Stall A110

"We have modified our Technifor range of permanent marking machines for the Indian users, which can be carried along to mark even big components. It took us time to understand how this market works. But today we have a place here and we are quite optimistic about it."

Ludovic Navarro, Managing Director,
Gravotech Engineering Pvt Ltd



"I have come to the expo to gather information on metallurgical techniques. The exhibition has displayed several modern technologies and their applications. I am quite satisfied and hope the expo should come back with more information next year."

Anil Kumar Saxena - Shriram Pistons &
Rings Ltd, Ghaziabad



"I have come to the expo for hydraulic presses and am happy with the array of products exhibited by Indian manufacturers. It is a brilliant attempt by IMTMA to organize one such event in North where we can see and select the product befitting our need. I wish for a bigger expo next time."

SK Bansal, Director,
Gayatri Technology, Delhi



MACHINE MAINTENANCE

PREVENTION IS
BETTER THAN CURE

Mitsubishi Electric India (MEI) offers a comprehensive routine preventative maintenance that helps keep the machines running, thus saving on downtime and expensive repair costs.

Mitsubishi Electric India (MEI) specialises in providing complete solution for factory automation and industrial products; residential, commercial and industrial air conditioning; video and imaging products; and technical and marketing support for power semiconductors, photovoltaic modules, transportation, power systems and CNC solutions.

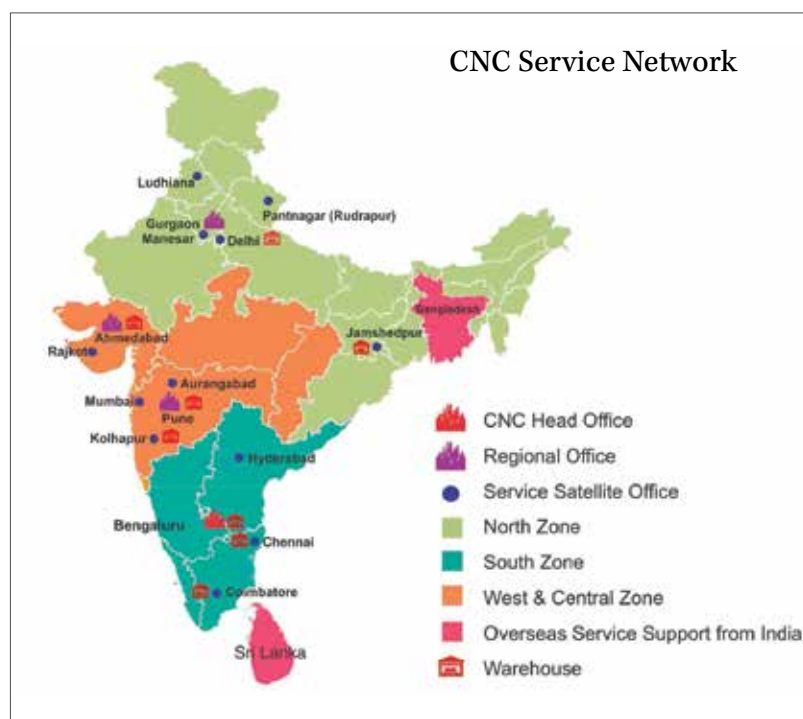
When the machines are run continuously, there is a possibility of deterioration of CNC parts due to entry of dust, moisture, coolant mist etc., resulting in early failure of parts and machine break-down. Also, variation in incoming voltage, cabinet temperature, machine vibration affects

the life of CNC parts. To overcome the above issues and increase machine availability for production, MEI offers a regular Preventive Maintenance to its customers that comprises.

- Complete health check of all CNC parts including supply, temperature and vibration
- Cleaning of units and replacement of consumable parts such as battery and fans
- Complete data back-up of CNC including hard disc
- Overhauling of drives and motor at Mitsubishi Repair Center

CNC Service network

MEI's CNC Service Network is spread



Source: Mitsubishi Electric India Pvt Ltd

throughout the country with its head and branch offices in North, South, West, East, and Central zones. The service support is provided in India, Bangladesh and Sri Lanka within 24 hours. Prompt and precise online support is provided by dedicated front engineers who assist customers on all queries from technical to commercial. Highly experienced field engineers provide high quality customer service and handle trouble shooting, diagnosing, problem fixing and root cause analysis.

Parts Service, Repair and Exchange

MEI's part delivery is within 24 hours for Pan India customers and there is a lifetime part support for all type of controllers from M300 series to M80/M800 series. Part repairs are carried by

highly skilled repair engineers with the aid of sophisticated test jigs procured from Mitsubishi Japan. 24 hours testing facility is available with an average turn-around time of 2 days. The company provides new or reconditioned parts against old faulty parts with a 30 percent benefit. However, the facility is available to only selected parts and is subject to condition of the faulty part under exchange.

Advantages galore

The maintenance regime by MEI reduces machine maintenance and repair cost; increases machine up and its lifetime; and improves its overall equipment efficiency, perks that are too good to pass up.

Mitsubishi Electric India Pvt Ltd
www.mitsubishielectric.in
Hall 11, Stall A/117



MEI's experienced field engineers providing high quality customer service.

CNC MACHINING

ARRAY OF SOLUTIONS
ON DISPLAY

According to Rajkot-based Jyoti CNC Automation Ltd, a leading CNC Machine Manufacturing company, DMTX is an ideal platform for metal-working and machine tool companies to showcase their products in the Northern region of India.



TACHYON is ergonomically designed for faster drill tap operations for the most sophisticated applications of Automobile, Surgical and Telecommunication sectors.

The show offers a locational advantage to gain access to the industries of the surrounding states. Manufacturers get to exhibit their technologically advanced products that cater to specific industrial segments of the region such as Automobile, Die & Mould, General Engineering, Tractor, Energy and the two-wheeler sector. According to Himanshu P Shaparia, Vice President – Sales, Jyoti CNC Automation Ltd, "DMTX, by unveiling the latest manufacturing

technologies and ongoing development in the manufacturing sector across India, motivates other industries to enhance their capabilities."

Customer-centric approach

According to Shaparia, the company is showcasing its upgraded turning centers and machining centers as complete solutions for the vast SME sector to boost its competitiveness.

The company is showcasing five products including its largest selling variant DX 200 as DX 200nvu along with DX 60 turning machines; a highly sophisticated high precision Turn Mill Center AX 200 MY; a high performance vertical machining center RDX 20; and a heavy-duty vertical turning lathe VTL 750.

Jyoti CNC Automation Ltd
www.jyoti.co.in
Hall 11 / Stall A103



"In line with our customer centric mantra, we look forward to meeting our existing customers and acquiring new customers to strengthen and expand our network in DMTX."

Himanshu P Shaparia
Vice President – Sales
Jyoti CNC Automation Ltd

Delivering PERFORMANCE for Decades

With over 10,000 satisfied customers, upto 63% repeat orders and more than 40,000 running machines across the globe, the group has been delivering performance for decades.



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