

DAY 1 THURSDAY, 23 JANUARY 2025

SHOWDAILY

The Daily News of IMTEX 2025

Organiser



Indian Machine Tool
Manufacturers' Association



International Machine Tool &
Manufacturing Technology Exhibition

Concurrent Shows



International Exhibition of Cutting Tools, Tooling Systems,
Machine Tool Accessories, Milling & CNC Centre



International Exhibition of
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METALWORKING SHOW

Creating New Benchmarks in Technological Advancements

The Indian Machine Tool Manufacturers' Association's flagship event on metal cutting, IMTEX, opens its doors today to the global manufacturing fraternity. Alongside its concurrent shows, Tooltech and Digital Manufacturing, the exhibition celebrates India's technological advancements in manufacturing on an unprecedented scale.



IMTEX 2025 & Tooltech 2025 is all set to overwhelm manufacturing players from world over with its comprehensive range of offerings in the field of metal cutting. IMTEX, Tooltech & Digital Manufacturing 2025 is larger than all previous editions with eight halls and around 90,000 sq mt of space. The event is hosting around 1,100 exhibitors with live machines from over 23 countries. Germany, Italy, Japan, Korea, Spain, Taiwan, and the United States of America have special pavilions.

Trade delegations from various industry sectors are expected to turn up for the event, and overall, a foot-fall of around 1,00,000 business visitors is expected.

Shaping the Future of Manufacturing

Combining innovative design and production elements, exhibitors will showcase multi-tasking machines for the Defence and Aerospace sectors; high-speed machines and drill tap centers for Electronics Manu-

facturing, and metal additive manufacturing for Auto, Defence, and Aerospace sectors, and many other new-age technologies.

Also featured will be smart, high-precision, high-performance, hybrid and special purpose machines. Robots, cobots, AGVs, 3D printing, Industry 4.0, digital twins, advancements in tooling and measurement, and solutions for new products are also to be showcased.

To be continued on 4 ▶



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50 Years of Engineering Excellence



» The Machine Tool industry while continuing its significant work with the Automobile sector is expanding its footprint to serve some of the other strategic and emerging sectors like Defence & Aerospace, Renewable Energy, Railways, Medical Devices, Electric Vehicles, Electronics, Construction Equipment, Agriculture Machinery, etc. Many of these industries will be visiting IMTEX 2025 which will open up new prospects for the Machine Tool industry.«

Rajendra S Rajamane
President
Indian Machine Tool
Manufacturers' Association



» IMTMA strives to offer new experiences for national and international exhibitors, machine tool user industries, students, and all stakeholders, contributing to holistic industry growth. This edition of IMTEX stands as a testimony to the advancements in the machine tool domain, featuring a diverse mix of domestic and international players showcasing their enhanced capabilities.«

Jibak Dasgupta
Director General & CEO
Indian Machine Tool
Manufacturers' Association &
Bangalore International
Exhibition Centre

Concurrent show, Tooltech will feature the latest advancements in cutting tools, tooling systems, machine tool accessories, metrology, and CAD/CAM technologies.

Digital Manufacturing will feature advancements in Industry 4.0 and additive manufacturing.

Parallel Events

'International Seminar on Machining Technologies' (January 24 – 25) will throw light on emerging technologies in metal cutting with global experts deliberating on innovations and best practices.

'i2' Academia Square': Students from leading institutions will present their research projects. The initiative aims to bridge the gap between the academia and industry.

'Manufacturing Technology Quiz Contest' (January 26): The quiz contest will test students' knowledge of manufacturing processes and concepts.

'IMTMA Lakshya Exports and Engagement with Overseas Buyers' (January 25-26) is being held with the aim to facilitate export opportunities and foster global partnerships.

'Jagruti-IMTMA Youth Programme' will introduce students to advancements in manufacturing technologies.

Co-organized by IMTMA and ACMA (Automotive Component Manufacturers Association of India), 'Auto Components Industry Transformation Summit' (January 26) will focus on synergies between the Machine Tool and Auto Components industries.

Celebrating Excellence

'IMTMA - Premier Outstanding Entrepreneur Award in memory of Vinod Doshi' will be presented to an exemplary personality with an outstanding record of first-generation entrepreneurship in building machine tool companies in India.

'IMTMA - Cooper Award for Outstanding Supply Chain Unit in Memory of Sir D.B. Cooper' will be awarded to Indian-owned supply chain companies that have done outstanding work catering to the manufacturing requirements of machine tool companies (OEMs).

'IMTMA Best Design Award' will reward companies for their exemplary indigenously designed, developed, and manufactured products in metal-cutting technology (exhibited at IMTEX 2025 & Tooltech 2025).

'IMTMA Export Performance Award in memory of Shailesh R Sheth' will be rewarded to companies that have made significant achievements in exports of machine tools and related products manufactured in India. **SD**



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Hall - 5, Stall - A-108



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Hall & Stall: 3A/B-108



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UCAM Unveils New-Tech CNC Rotary Tables

Discover UCAM's latest high-performance CNC Rotary Tables, meticulously engineered to meet the most demanding machining applications. Equipped with advanced angle sensors, these Rotary Tables deliver exceptional indexing accuracy of $\pm 15''$ (sec), ensuring consistent and precise positioning for complex machining operations.

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Tailored for industries including Aerospace, Automotive, Medical, and Precision Manufacturing, UCAM's Rotary Tables redefine performance, efficiency, and reliability, setting a new industry benchmark.

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FLUID PERFORMANCE MONITORING

Quaker Houghton Creates an Intelligent Future of Fluids



Source: Quaker Houghton

ware uses proprietary sensor technologies for automatic real-time measurement of key fluid and process parameters. This reduces manual sampling and analysis. The QH FLUIDCONTROL™ family of hardware integrates proprietary sensors and control equipment for automatic measurement and physical control of key fluid and process parameters. These hardware families work in tandem with the third element, QH FLUIDTREND™, an intuitive, user-friendly software for viewing the real-time and historical data and analytics from QH FLUIDMONITOR™ and QH FLUIDCONTROL™. QH FLUIDTREND™ offers manufacturers not just data, but insights on how to optimize fluids and processes. This improves predictability of outcomes, something prized by all manufacturers. **SD**

Quaker Houghton has developed a platform that specifically addresses challenges and allows manufacturers to benefit from optimizing fluids and processes. QH FLUID INTELLIGENCE™ provides real-time monitoring and control of fluid performance and cost, delivering fast, accurate, and actionable insights. The platform combines four key elements: Quaker Houghton's world-class fluids, application expertise, hardware, and software. Specific to hardware, the QH FLUIDMONITOR™ family of hard-

Quaker Houghton
www.quakerhoughton.com
Hall & Stall: 5/A-129

TAPS

Highly Productive Dormer Pramet Taps E397 and E398

Introducing the Dormer Pramet E397 and E398 taps – a benchmark in versatility and high performance. Designed for a 2.5xD tapping depth, these taps feature specific geometry to excel in medium to high-strength materials while effectively preventing oversized threads in softer materials.

Product Features

- **Excellent in Steels:** They are versatile for a variety of other materials as well.
- **Extended Tool Life:** The taps offer long-term consistency and reliability.
- **High Process Reliability:** The taps are secured by nesting prevention for smooth operations.
- **Cold Welding Protection:** That ensures superior performance throughout the entire life span.
- **High Performance:** The taps deliver exceptional results without compromising tool life.

Key innovations include a modified edge treatment for extended tool life and consistent results, along with a 3-radii flute profile for exceptional precision and process security. The TiCN coating enhances wear resistance, while the unique powder metallurgy substrate ensures unmatched durability and reliability. **SD**



Source: Dormer Pramet

Dormer Pramet
<https://dormerpramet.com/uk-ie/en/imtex-2025>
Hall & Stall: 4A/B-103

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NO sale permitted in India, without "OTR Order 2024" registration, from September 2025

MHI, BIS and IMTMA are Organising 'Awareness Session for Indian and Global Machine Tool Industry @ IMTEX 2025'

1500 - 1730 hours | Monday, 27 January 2025
'Jacaranda' Hall in "Conference Centre", BIEC (No Charges for Participation | MUST ATTEND)

Today's Engagement

AceMicromatic Group - Machine Unveiling

Date: January 23, 2025

Time: 10:15 AM Onwards

Venue: Hall & Stall: 5/B-109

Product Models: Ace Designers - APS 300 (Skiving), WM40100 (Worm Milling), CDL 65, CTM 06M

AMS - BV 40, DC 2512, MCH 630XL, MCH 500C, ACER 75, Shoda Router

Taurus - TRCM 22 (Riser Cutting), Fusion 60

MGT - Double Disc Grinder & Orbital Grinder

Education / Upskilling

Education Exhibits: Ed Turn, Ed Mill, CNC Simulators (TM & DT)

ANCA CNC Machines - Machine Unveiling

Date: January 23, 2025

Venue: Hall & Stall: 4/B-110

Product Models: Two

LMW Ltd

Date: January 23, 2025

Time: 10.30 AM

Venue: Hall & Stall: 5/A-108

Product Models: LR Series Large Turnmill Centers - LR30MY L17, LR40TM L25

Next Gen Turning Center - LL20T L5S, including several others

Murata Machinery, Ltd / Meibian Engineering Technologies Pvt Ltd - Machine Unveiling

Date: January 23, 2025

Venue: Hall & Stall: 5/B-105

Product Models: MWR120 & MT100/T3

Sahajanand Laser Technology Ltd - Machine Unveiling

Date: January 23 - 29, 2025

Venue: Hall & Stall: 4/A-136

Product Model: Hydorix

Siemens Ltd - Machine Unveiling

Date: January 23, 2025

Time: 12 Noon

Venue: Hall & Stall: 5/B-112

Product Model: 5th Generation SINUMERIK 828D



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The system is available in 5 sizes from 50 to 220 l. It has a dual frequency available for 28/68 kHz, 40/80 kHz, 80/130 kHz or 40/130 kHz and can be switched easily as one needs. The UCMCombi-

Line can be operated as a stand-alone unit or in combination with several modules of the same series.

Key Features:

- **Double Frequency:** The two frequencies can be easily switched as needed.
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- **Booster Function:** Times Peak Power can work on stubborn stains and semi-aqueous solvents, significantly improving ultrasonic performance.
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- **Adaptation:** The device automatically adapts to different

working conditions (temperature, fluid level and with/without workpiece) and maintains the optimum working frequency and constant power.

- **Automatic Sweep Function:** Automatic sweep function can eliminate the standing waves effectively.
- **High-resolution LCD Display for Industrial Fill Levels:** The user-friendly LCD display allows one to monitor the working status and set parameters.
- **Energy Efficient:** The efficiency of converting ultrasonic and electrical energy is greater than 95 percent.
- **Optional Extras:** The circulation system with a filter, oil separator, bubble tank, rinse tank, high pressure spray tank and dryer, etc. can be upgraded as needed.

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Source: Ecoclean Machines Pvt. Ltd

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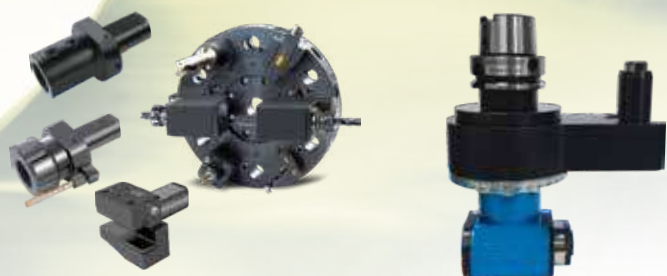
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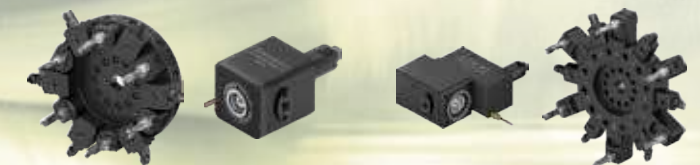
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MOTOR SPINDLES

2SP2, the New Middle-Class Standard

The new 2SP2 asynchronous milling spindle series is characterized by robustness and performance. Its compact dimensions meet the necessary requirements to keep the space requirement in the machine as low as possible. The option with or without external cooling jacket offers the machine builder flexibility in designing the connection of the spindle to the Z-slide.

Here, the new spindle series with an outer diameter of 170 mm already achieves a nominal torque of 45 Nm. For applications requiring more spindle torque, a variant with an outer diameter of 210 mm is available. The spindle has been designed with a slim diameter and open cooling jacket but is also optionally available with a closed cooling jacket. The robust bearing system ensures speeds of up to 20,000 rpm with lifetime grease lubrication. For speeds of up to 24,000 rpm, a version with air-oil lubricated bearings is also available. The specially developed asynchronous motor is equipped with loss optimized profile rods to keep the rotor losses as low as possible. In this way, the spindle ensures low heat-up and reduced growth at the tool interface, even at maximum speeds.

SD

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Hall & Stall: 3B/C-111

SEMINAR

ISMT 2025 to Spotlight Machining Technologies Trends



Organized by Indian Machine Tool Manufacturers' Association (IMTMA), International Seminar on Machining Technologies (ISMT) 2025, is set to take place from January 24 - 25, 2025, during the IMTEX 2025 exhibition, at BIEC, Bangalore. The flagship event is dedicated to bringing the global manufacturing community together

and highlighting evolving trends in machining technologies. To be held simultaneously in Gulmohar and Jacaranda Halls, Conference Centre, the seminar with its blend of insightful keynotes, technical sessions, and panel discussions, promises valuable perspectives on the challenges and opportunities in the ever-evolving manufacturing landscape.

SD

Day 1

Date: January 24, 2025
Time: 2 pm - 5.20 pm
Venue: Conference Centre

Day 2

Date: January 25, 2025
Time: 10 am - 1.55 pm
Venue: Conference Centre

Visit us at Hall 3A, Stall B111

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2

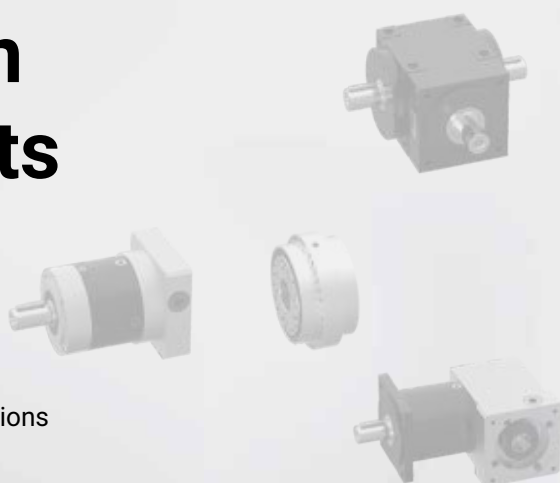
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GEAR MANUFACTURING

Ace Designers Joins Gear Manufacturing

Ace Designers is the largest producer of CNC machines in India. It has an installed base of more than 80,000 machines globally. The company has a right range of high-volume products and a complete basket of appropriate products for multiple segments. It has created a huge infrastructure to address needs of large volume products and low volume special requirements. Ace Designers' focus has always been to fill up the gaps felt by customer in different market segments and also on timely introduction of products to satisfy the perceived product configuration and technology needs.

For decades, Ace Designers has been synonymous with innovation in CNC Turning solutions, producing high-performance CNC lathes, Turn-Mills and Tooling up solutions. At IMTEX 25, the brand is taking a significant leap forward by unveiling two cutting-edge machines – APS 300 Power Skiving Machine and WM 40100 Worm Milling Machine – offering solutions for the gear manufacturing domain.

Leveraging Legacy for a New Era

This transition reflects Ace Designers' philosophy of continuous innovation and customer integration. Drawing from its vast experience in building large CNC machines, ACE Designers has extended its engineering excellence into the gear segment to meet growing customer productivity demands.



APS 300 Power Skiving Machine: Redefining Gear Manufacturing

Designed for internal gear manufacturing, this machine combines shaping and milling principles with high-speed machining advantages. It delivers precision, efficiency, and versatility, making it ideal for volume production.

- **Enhanced Capability:** Supports modules up to 3 mm with a swivelling cutter spindle angle of $\pm 30^\circ$ (manual setting), providing unparalleled flexibility for diverse applications.

- **Precision and Speed:** Combines shaping and milling principles with high-speed machining to deliver exceptional accuracy and reduced cycle times.



WM 40100 Worm Milling Machine: Precision for High-Module Worms

Tailored for worm shaft production, this machine offers advanced capabilities for high-module threads. It ensures synchronous operation between the cutter and workpiece, enabling the efficient production of complex profiles with exceptional accuracy.

- **Wide Machining Range:** Capable of performing worm milling on shafts up to 400 mm in diameter. It can also be used for form milling Spur and helical gears of large modules.
- **High Module Capability:** Supports modules up to 6mm in a single pass, ensuring efficiency for larger thread profiles. Higher modules (upto 25) can also be cut with multiple passes.
- **Flexible Cutter Orientation:** Offers a cutter orientation angle of -30° to $+210^\circ$ (horizontal), enabling versatility across applications.
- **Robust Design:** Built to handle demanding operations with stability, ensuring precision and reliability for heavy-duty applications.

Driving Value with Customer-Centric Solutions

By leveraging its proven expertise and robust technology base, Ace Designers not only delivers innovative products but also reinforces its commitment to empowering customers with reliable, high-quality, and cost-effective solutions, along with a comprehensive range of turning machines.

Ace Designers Ltd – Turning Centre Division
www.acemicromatic.net
Hall & Stall: 5/B-109



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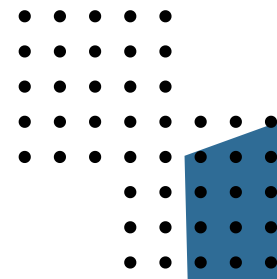
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GROOVING TOOLS

New Tools for Deep Axial Grooving from Horn

The new Mini 114 system from Horn enables a face grooving depth of up to 10 mm. The Tübingen-based tool manufacturer is thus further expanding the already wide variety of this product family. The insert is suitable for turning and copy turning of axial grooves. The user does not need a special tool holder, as the insert is compatible with the existing axial holder system. As standard, Horn offers the EG55 carbide grade grooving tools in three different types from stock with cutting widths of 2 mm, 2.5 mm and 3 mm. The minimum diameter for grooving is 14 mm, while the maximum is 34 mm to 36 mm, depending on the type. It boasts spindle power ranging from 11 to 18.5 kW, with spindle speed up to 10,000 rpm. The machine features a direct drive BT 40 spindle (BBT 40 spindle as optional).

The face-screwed inserts of the Mini system are one of Horn's core products. The tool system is suitable for turning and milling applications. The precision

tools have proven particularly effective for boring, internal grooving, and face grooving. Paired with the low-vibration carbide tool holders, the inserts produce a superior surface finish even with long overhangs and ensure excellent process reliability. The Mini system's broad portfolio offers inserts in various sizes for different internal diameters as well as different geometries and substrates and CBN or diamond tips.

SD



As standard, Horn offers axial grooving tools in three different types in carbide grade EG55.

Paul Horn GmbH
www.nncea.com
Hall & Stall: 2B/A-114



MEASURING & TESTING TECHNOLOGY

BLUM TC-Series 3D Touch Probes

Blum-Novotest, a global leader in technology and innovation in measuring and testing technology, is a reliable partner to the global machine tool, automotive, aerospace, die & mold, electronics, medical, construction and many other industrial segments. The face-screwed inserts of the Mini system are one of Horn's core products. The tool system is suitable for turning and milling applications. The precision tools have proven particularly effective for boring, internal grooving, and face grooving. Paired with the low-vibration carbide tool holders, the inserts produce a superior surface finish even with long overhangs and ensure excellent process reliability. The Mini system's broad portfolio offers inserts in various sizes for different internal diameters as well as different geometries and substrates and CBN or diamond tips.

BLUM leads the way in technology for optical and tactile production measurement

technology for machine tools. The company's future-oriented measuring technology supports customers from many industrial sectors in increasing their productivity and the quality of the produced parts.

BLUM TC-Series 3D touch probes are used for fast and automatic workpiece measurement and workpiece referencing in machine tools. Specially designed for the harsh conditions in these machines, the probe systems are an effective solution for improving the accuracy of workpieces and the productivity of manufacturing lines.

SD



Blum-Novotest Measuring & Testing Technology Pvt Ltd
www.blum-novotest.com
Hall & Stall: 3A/B-117



VERTICAL MACHINING CENTERS

JV 150 Heavy-Duty Vertical Machining Center

The JV 150 from LMW Ltd is a large and rigid vertical machining center that delivers accuracy and fine finish. It has stroke capabilities of 1,550 mm on the X-axis, 760 mm on the Y-axis and 760 mm on the Z-axis. The sturdy design provides a spacious 1,700 mm x 700 mm table, perfect for machining larger workpieces.

It boasts spindle power ranging from 11 to 18.5 kW, with spindle speed up to 10,000 rpm. The machine features a direct drive BT 40 spindle (BBT 40 spindle as optional). In addition, the JV 150 is equipped with a 24-tool ARM type automatic tool changer (ATC) that facilitates rapid and efficient tool changes, taking 2 sec. The machines feature precision linear motion roller guideways on the X, Y and Z axes, ensuring accuracy and stability during operation.

The machine is highly versatile and caters to major industries like Foundry & Forging, Die & Mold, Pumps & Valves, Oil & Gas, Automobile, General Engineering, etc.

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LMW Ltd
www.lmwncnc.com
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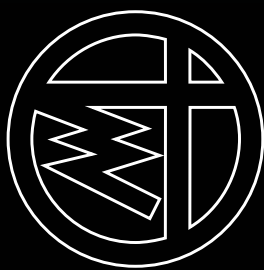


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5-AXIS MACHINING CENTERS

Jyoti CNC's GU Series for Complex Machining Tasks

The cutting edge of moving gantry 5-axis technology is represented by the GU series machines. Machinists need 5-axis machining centers that provide improved dynamics as well as exceptional

accuracy and reliability in the present competitive climate.

The solutions offered by Huron Graffenstaden are ideally suited to meet these crucial industry needs. The ideal combination of state-of-the-art technology and remarkable return on investment is offered by the GU Series machines. It is a valuable too in modern production environments since it is made to manage complex machining tasks with accuracy, effectiveness, and versatility.

This series is developed for excellence with a gantry-moving architecture, a swivelling rotary table, and thermal stability accomplished through cooling circuits

surrounding the linear motion bodies and ball screw nut bracket. With a high chip removal rate and an integrated cooling system to facilitate smooth operations and extend its lifespan, the electro spindle is specifically made for efficient machining.

In a variety of applications, the GU Series ensures outstanding stability and high dynamics, enabling dependable performance and better machining capabilities. These cutting-edge devices serve a range of industries that need precision machining, such as the automotive, aerospace, and healthcare sectors.



Jyoti CNC Automation Ltd
www.jyoti.co.in
Hall & Stall:
5/A-122



Source: Jyoti CNC Automation Ltd

DEBURRING SOLUTION

Revolutionizing Deburring with Mastercam Deburr

Mastercam Deburr is a cutting-edge add-on designed to automate and enhance the deburring process within CNC machining operations. By seamlessly

integrating with existing Mastercam setups, it offers manufacturers a streamlined solution for removing burrs and treating edges, thereby improving part quality and operational efficiency.

labor and programming time, allowing machinists to focus on other critical tasks. The user-friendly interface ensures that both novice and experienced users can easily navigate and apply deburring operations without a steep learning curve.

In terms of versatility, Mastercam Deburr supports a wide range of tools, including Ball Mills, Lollipop Mills, and Taper Mills with full radius, accommodating both 3-axis and 5-axis machining strategies. This flexibility enables manufacturers to apply consistent chamfers or fillets across complex geometries, ensuring

uniform edge finishes and enhancing the aesthetic and functional quality of machined parts.

The integration of Mastercam Deburr directly into the machining process eliminates the need for secondary hand-finishing operations, thereby reducing processing times and associated costs. By deburring parts on the machine, manufacturers can achieve higher precision and maintain exact tolerances, which is particularly beneficial in industries where component accuracy is paramount.

Furthermore, Mastercam Deburr's compatibility with Mastercam 2D and 3D Milling, Router, or Mill-Turn licenses makes it a versatile addition to various machining environments. Its placement within the 3D toolpath gallery under Finishing types or accessible through the Toolpaths Manager ensures seamless integration into existing workflows.

In summary, Mastercam Deburr revolutionizes the deburring process by automating edge treatments, reducing manual intervention, and enhancing overall machining efficiency. Its advanced features and seamless integration make it an indispensable tool for manufacturers aiming to improve part quality and operational productivity.



One of the stand-out features of Mastercam Deburr is its automatic edge detection capability, which simplifies the identification of areas requiring deburring. This automation significantly reduces manual



Source: Mastercam

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Mr. Akihiro Teramachi
Chairman and CEO, THK



Mr. Takashi Teramachi
President and COO, THK



Mr. Haw Chen
CEO, Techman Robot Inc.

March 4, 2025  **10:00 -12:00**

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Key benefits of the Siemens MACHINUM portfolio for machine tools



Siemens Ltd
www.siemens.co.in/imtex
Hall & Stall: 5/B-112

Source: Siemens Ltd

TOUCH PROBING SYSTEMS

Marposs Introduces Ultra-Wideband Technology

The main objective of touch probing systems is to optimize the production process of machine tools, increasing both quality and quantity: the automatic detection of the machines axes' position offers advantages in terms of positioning and control of

the workpieces, directly in the machining center and the milling machines. Hence, the probes are mounted directly on the machine spindle, which makes a wireless signal transmission necessary, typically based on the 2.4 GHz frequency band.

In recent years, there has been an exponential increase in the production of Wi-Fi devices, including smartphones, tablets, modems, and even automatic elevators and other material handling systems. This leads to the saturation of the 2.4 GHz band with the inevitable presence of noise and interference, affecting the reliability of wireless probing systems, causing downtime and, more generally, decreasing the quality of the production process.

Marposs Ultra Probing System is the new touch probing system with Ultra-Wideband technology, a real revolution for the machine tool industry.

The most important feature—and the key advantage—of the Marposs Ultra Probing system is its use of a different transmission range. Operating in Ultra Wideband, it ensures that no other physical signals can interfere with the Marposs device,

resulting in zero interference and no machine downtime.

The system also features an improved design. The anchor, which serves as the receiving antenna, has an ultra-compact design that makes installation easier and faster. It is equipped with three LED indicators and is connected to the machine's CNC via a wired cable. In most systems, the connection is a weak point due to sealing issues in wet areas, which depend on proper mounting and, consequently, the operator's skill.

The Marposs Ultra Probing System introduces a new generation of wireless connectors with an exceptional level of sealing. This innovative design eliminates dependency on external operations.

In addition, the new Marposs APP - which allows system setup and real-time monitoring, combined with diagnostic and service operations - makes the system fast and easy to use.

SD

Source: Marposs India Pvt Ltd



Marposs India Pvt Ltd
www.marposs.com
Hall & Stall: 3A/B-102

Marposs Ultra Probing System is the new touch probing system with Ultra-Wideband technology, a real revolution for the machine tool industry.



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INTERNATIONAL PRESENCE: JMTBA

Growing Stronger Together

Kazuo Yuhara, President, Japan Machine Tool Builders' Association (JMTBA), is highly optimistic about the Indian Manufacturing industry's potential to become a global hub, driven by the Indian government's 'Make in India' initiative. According to him, IMTEX 2025 & Tooltech 2025 is a pivotal platform to showcase advanced machinery and equipment, fostering growth and unveiling latent demand in the Indian market.

Emerging Industry Trends

JMTBA underscores the industry's shift towards labor-saving solutions and automation. "Machine tool manufacturers are actively working on labor-saving and automation technologies, such as the use of robots to change workpieces, measuring the shape of workpieces after machining, and the automatic transportation of workpieces and tools using AGVs (automated guided vehicles) and AMRs (autonomous mobile robots)," Yuhara noted. He further highlighted the push for sustainable practices, "Efforts

towards decarbonization and energy-saving technologies such as reducing peripheral equipment idling, monitoring the amount of cutting chips generated, and optimizing coolant usage, are being made with a view to achieve carbon neutrality."

For a Smart Future

Emphasizing the transformative impact of smart manufacturing, he noted, "Japan faces challenges like a declining birthrate and an aging population, which has led to labor shortage. To address these issues and improve productivity and efficiency, digitalization, automation, and the introduction of robots, are essential." "The integration of Japan's precision machine tools with advanced digital technologies will not only drive higher productivity but also promote energy and resource efficiency," he added.

Japan's Presence at IMTEX 2025

At IMTEX 2025, for the first time, JMTBA will also be hosting the Japan Pavilion in Hall 1B, bringing together exhibitors from 15 Japanese compa-

nies. Yuhara expressed confidence in the technologies being showcased, "These companies will present products tailored to the Indian market, and we encourage visitors to explore the pavilion."

Trade Momentum Between Japan and India

Trade statistics reflect a robust relationship between the two nations. Orders for machine tools to India in 2022 were up by 6.4 percent year-on-year to 40,431 million yen. In 2023, machine tool orders from India reached an all-time high of over 51,000 million yen, with strong demand for automotive, semiconductor, and EMS-related products. "This trend is expected to continue, driven by post-China investments and the growing EMS market," Yuhara shared.

The absence of tariffs between Japan and India further strengthens



Source: JMTBA

» India is on its way to becoming a manufacturing powerhouse for the world. At IMTEX 2025, a diverse range of high-precision and high-productivity tools is being displayed, which will contribute significantly to the sector's development. «

Kazuo Yuhara
President
Japan Machine Tool Builders' Association

trade prospects. "We foresee an even brighter future for this partnership," he concluded. **SD**



Japan Machine Tool Builders' Association (JMTBA)
www.jmtba.or.jp
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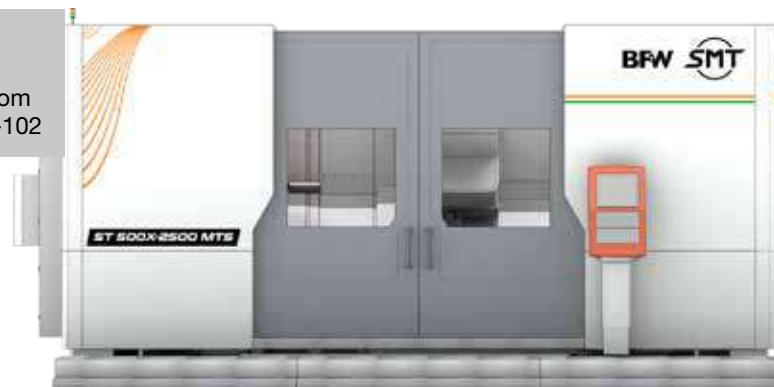


www.tmtip.in

COLLABORATION

Bharat Fritz Werner (BFW) Join Forces with SMT Swedish Machine Tool Company

Bharat Fritz Werner Ltd
www.bfwindia.com
Hall & Stall: 2/A-102



Source: Bharat Fritz Werner Ltd

The ST 500X / 2500 is an innovative, contemporarily-designed product developed by Bharat Fritz Werner (BFW) in collaboration with SMT Swedish Machine Tool Company AB, Sweden to meet the complex 5-axis simultaneous machining applications of turning and milling. The product is suitable for machining applications in industrial sectors like Oil and Gas, Power, Construction and Mining Equipment Manufacturing, Heavy Engineering, Aerospace and Automobile.

The Milling / Turning and Boring unit has motor spindle of 12,000 rpm in standard to cover different material machining applications like Cast iron, Steel and Aluminum. The ST 500X can be offered in 2 different headstocks (170mm / 260 mm) and 3 different turning lengths (1500 mm / 2500 mm / 3500 mm). The different headstocks are equipped with an integrated gearbox with 2 steps or an integrated spindle with the C-axis. The high power and torque of the gear spindle (71 kW / 6,900 Nm) provide significant advantages in heavy-duty machining operations, positioning this product line firmly in the premium segment for such applications. **SD**

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