



International Machine Tool &  
Manufacturing Technology Exhibition

CONCURRENT SHOWS



# SHOWDAILY™

*The official Show Daily of IMTEX 2023*

DAY 4 • SUNDAY, JANUARY 22, 2023

**JANUARY 19 - 25, 2023, BANGALORE, INDIA**

# Mazak

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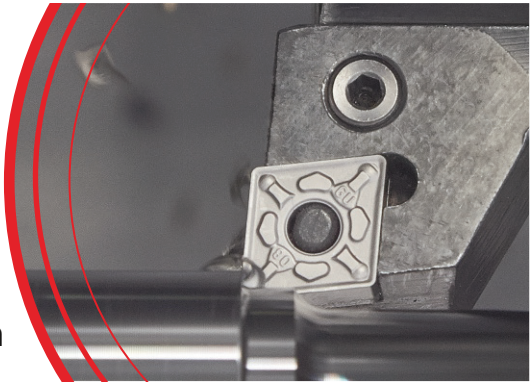




# Reduce machining cost with our metal cutting solutions.

Booth No. B-143 (Hall 4)

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LIQUID TOOL

## Helping Customers Win

Blaser Swissslube has been on a mission to take its customers' success to the next level by carefully charting out their growth plans with its unique offerings. With its holistic approach and profound machining know-how, the company provides solutions that help customers fully capitalize on the potential of their machines and tools and turn their metalworking fluid into a key success factor.



Marc Blaser, CEO, Blaser Swissslube AG, and Punit Gupta, Managing Director, West Asia (India & SEA), Blaser Swissslube Solutions Pvt Ltd, with their team at the company booth at IMTEX 2023.

Punit Gupta, Managing Director, West Asia (India & SEA), Blaser Swissslube Solutions Pvt Ltd, is highly excited to be part of IMTEX, which is happening after a long break. This time the company has its booth under the Digital Manufacturing pavilion. The company's machining experts are present at the event to show how they

can help turn metalworking fluid into their key success factor. Blaser Swissslube is showcasing its Smart Automated Coolant Management System. "We are also showcasing our Remote Care Tool. Blaser Swissslube is renowned for its personal on-site support. If we're not on site, we are still there for you with our Remote Care Tool," he shares.

The company is also offering a Free Liquid Tool Analysis Voucher at its booth. "Customers can reach their goals with our Liquid Tool Analysis. Each customer situation is unique. With their challenges and goals as the starting point, we analyze customers'

To be continued on 4 ▶



TURNKEY SOLUTIONS FOR AUTOMATED TURNING OPERATIONS



MT200



Multi-Tasking Machine

MW120EXG



Twin Spindle CNC Chucker

MW80



Twin Spindle CNC Chucker with Linear Tooling

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5	B103

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## Strengthening the Future. Together.

Hall No-5 Booth No: B 121  
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Source: Blaser Swisslube AG



Source: Blaser Swisslube AG



» Customers can reach their goals with our Liquid Tool Analysis. Each customer situation is unique. With their challenges and goals as the starting point, we analyze customers' machining process together with them on site and propose a tailored solution which we then test in their production environment to ensure that we achieve the improvements we promised.«

**Marc Blaser**  
CEO  
Blaser Swisslube AG

» Blaser Swisslube's Liquid Tool Solution is our value proposition to our customers. All of us at Blaser have a strong belief and we are convinced that it is the right way to move ahead. This belief becomes stronger when we see more and more customers getting benefits out of it.«

**Punit Gupta**  
Managing Director  
West Asia (India & SEA)  
Blaser Swisslube Solutions Pvt Ltd

machining process together with them on site and propose a tailored solution which we then test in their production environment to ensure that we achieve the improvements we promised," informs Marc Blaser, CEO, Blaser Swisslube AG.

### Growing with customers

Founded in 1936, the independent and family-owned Swiss company has since grown from a small business into a technologically leading global player, having a presence in 60 countries worldwide. It has successfully established itself in India over last 20+ years as a leading technology company. "Our focus worldwide has always been to bring solutions that add to our customers' competitiveness and productivity. Very high capabilities in R&D ensure that we do everything to maintain and improve our technology. New materials, technological innovations, and ever-improving machine performance constantly challenge our metalworking fluid development and we are happy to bring out innovation for our customers. We want to address the needs of the markets in the best possible way," states Blaser.

"It has been a very successful journey so far globally as well as in India and we are very optimistic for future growth as well. Thanks to our customers, business partners, and employees to make it happen," he shares. The product portfolio is reviewed and adjusted every year. "We take continuous feedback from the customers in the market, so that the right solution can be given to our customers," he adds. The company's new products, particularly in the areas of Neat Oils and Water-miscible Metalworking Fluids including the latest B-Cool Motec 501, and B-Cool MC 610 are already available in the Indian market.

### Wide range of offerings

Blaser Swisslube's focus is to work on all the materials and applications within machining and grinding operations, shares Gupta. "We are happy to offer our customers Water-miscible coolants, Neat oils, and MQL range for different segments and applications. These products are built on various technology platforms like a unique bio concept, zero germ principal, ester-based, and fully synthetic." Neat oils offer high success in gear cutting, gear grinding, broaching, tool grinding, gun drilling applica-

tions, etc. From materials like steel, cast iron, and aluminum in the Automotive industry to materials like Titanium, Inconel, SS, etc., are ideal for increasing productivity and machining performance, he informs. "MQL (Minimal Quantity Lubrication) has been a niche area in the industry so far. However, we are fully geared up for the same with many happy customers. All these areas have the potential to offer up to 20-40 percent increase in tool life and/or 8-15 percent increase in productivity as per various projects' records. However, we always analyze the process of the customer and then make a proposal," he adds.

### Liquid Tool for enhancing productivity

Machining coolants are an important component of metalworking operations. They improve machinability, increase productivity, and extend tool life by cooling and lubricating the part and the cutting tool.

According to Gupta, the company's Liquid Tool Solution is its value proposition to its customers. "All of us at Blaser have a strong belief and we are convinced that it is the right way to move ahead. This belief becomes stronger when we see more and more customers getting benefits out of it," he adds. **SD**

CE IE2/IE3/IE4/IE5  
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STALL : A117 - Hall 1A

DATE : 19<sup>th</sup> - 25<sup>th</sup> Jan - 2023

TIME : 10.00 am - 6.00 pm



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DISCOVER THE  
MEANING OF VALUE



**TECHNOLOGY COLLABORATION**

## Collaboration Makes Us Better

**Prof Chris White, Director, Industrial Policy Research Centre, Manufacturing Technology Centre (MTC)-UK, an independent Research & Technology Organization (RTO), discusses collaboration and investment in manufacturing evolved by tech advancement and provides integrated manufacturing system solutions.**



Source: Magic Wand Media

Highlighting collaboration at IMTEX 2023 & Tooltech 2023 and Digital Manufacturing 2023, Prof Chris White, Director, Industrial Policy Research Centre, Manufacturing Technology Centre (MTC), says, "The success of the

**Manufacturing Technology Centre**  
[www.the-mtc.org](http://www.the-mtc.org)

MTC has been built on solid collaboration with regional, national, and more recently, international partners and organizations, and the benefits of collaborating from research through to industry are what have made us a leader in UK translational research."

He also believes that wider strategic collaboration helps companies entering new markets gain new insights into their strengths

### UK innovations for Indian processes

The MTC and UK develop SMEs by integrating new technologies to improve quality and efficiency through process optimization, waste



Source: Magic Wand Media

» Collaboration and investment in manufacturing are essential to growth, productivity, and GDP. Wider strategic collaboration at platforms like IMTEX 2023 & Tooltech 2023 and Digital Manufacturing 2023 helps companies entering new markets gain new insights into their strengths.«

**Prof Chris White**  
**Director, Industrial Policy Research Centre**  
**Manufacturing Technology Centre**

removal, technology adoption, and digitalization. The team includes manufacturing experts from the shop floor to cutting-edge research. Some specialist technologies include: Automation and robotics, Digital Engineering, Additive Manufacturing, and Modelling and Simulation. **SD**

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### INDUSTRY 4.0

## Smart Factory Demo at IMTMA Technology Centre

**IMTMA is organizing a live demonstration of a real-time working model of Industry 4.0 in manufacturing at IMTMA Technology Centre during IMTEX 2023 & Tooltech 2023 and Digital Manufacturing 2023, from January 20-25 at its Technology Centre at BIEC.**

The six-day live demo, divided into two sessions at 12:00 pm and 03:00 pm, on each day, highlights the Industry 4.0/Smart Factory concept, which is the current industry technology for digitalizing machines and monitoring their live status. I4.0 gives industries autonomy, customization, and flexibility for sustainable growth. This digital procedure uses multiple technologies. To understand how to utilize Industry 4.0 in a manufacturing setting, the following features are demonstrated:

- Acquiring live data from CNC machines and automatically monitoring OEE;
- Energy Monitoring in the machines to optimize energy costs and reduce losses;
- Preparing automatic live SPC charts from digital measuring instruments;

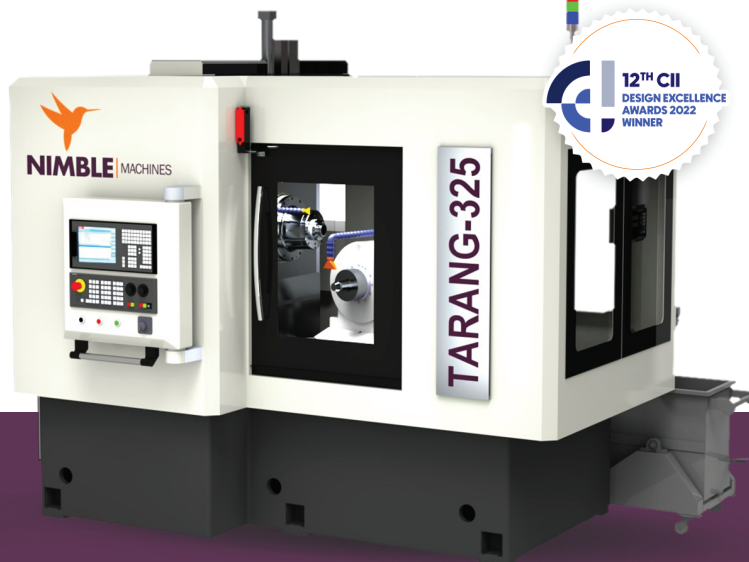


Source: Lantern Camera

- Part traceability within the shop-floor from raw material to dispatch of the product;
- Demonstrating the Augmented Reality (AR) for the safe operation of the machines;
- Autonomous material/tool movement trolley for tool kit movement in shop floor;
- Solutions from AceMicromatic Intelligence Technologies, Bosch Global, MTConnect, and Maxbyte Technologies. **SD**



CNC Gear Hobbing Machine



CNC Spiral Bevel Gear Generator



## Our Gear Manufacturing Solutions

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Hall No. H1A,  
Booth No. A102



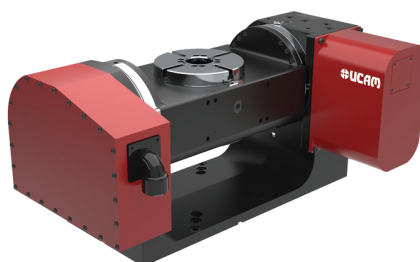
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## 5<sup>th</sup> AXIS Rotary Tables

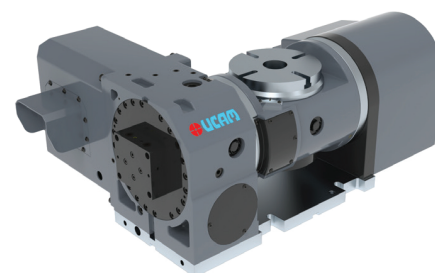
USSR200 Q



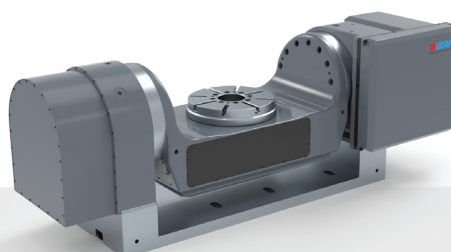
ULSR200 Q



URH 153 TN



URH 320 DTS



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**COOLANT PUMPS**

# Towards a Sustainable World

A leading manufacturer of coolant pumps in India with a wide dealer network and a large OEM customer base, Rajamane Industries has chalked out a clear growth plan. Here's how it's working it with its energy-efficient and electric products.



Source: Magic Wand Media

Established in the year 1975 in Bangalore for the manufacture of coolant pumps for the machine tool industry, Rajamane Industries Pvt Ltd has come a long way in its growth journey. Starting with just 3 models back then, the company today has over 100 models to meet the needs

of various industries including machine tool, printing, packing, filtration, and chemical. The company also manufactures electric motors for in-house requirements and OEMs. It is known for offering a comprehensive product line to cater to the ever-changing requirements of the market.

## On IMTEX displays

"The slowdown during the pandemic helped us develop a couple of products that we are displaying at IMTEX 2023. We have focused on the energy efficiency part, which is extremely crucial nowadays. The Government of India as well as the customers are now pushing for energy efficiency in a very large way. So, we are displaying some of our highly energy-efficient pumps here with IE4 motor technology, which would be one of the first ones here in India of any coolant and manufacturing companies," shares Rajendra S Rajamane, Managing Director, Rajamane Industries Pvt Ltd.

The company is displaying a few products that are not just for the applications in the machine tool industry, but also machine tool allied industries including printing, packaging, and plastic injection molding, which is going to grow in a very big way. "We have developed a couple of pumps for the circulation of small temperature controller coolants in this particular field. Another new product displayed here is for the electronics industry," he adds. Rajamane shares that the company has invited quite a lot of its customers here at IMTEX. "We already have about six to eight of these confirmed visits on certain dates. They have booked the slots at our stall and have also requested for a senior and experienced person from the company to explain the products at length to them." Rajamane Industries is also having a couple of live demos of the pumps, especially with the energy-efficient motor. "We are showing the amount of power one could save by using these pumps over a period of six to eight months, where the ROI itself is less than a year," he informs.

## Working towards electrification

Rajamane shares that since the EV market is going to be highly promising in the near future, the company has plans to cater to it. "The whole machine tool industry is



Source: Magic Wand Media

» The Government of India as well as the customers are now pushing for energy efficiency in a very large way. So we are displaying some of our highly energy-efficient pumps here with IE4 motor technology, which would be one of the first ones here in India of any coolant and manufacturing companies. «

**Rajendra S Rajamane**  
Managing Director  
Rajamane Industries Pvt Ltd

**Rajamane Industries Pvt Ltd**  
www.rajamane.com  
Hall & Stall: 5/B-125

trying to focus on that. We, as Rajmane industries, are also to explore opportunities in the EV technology," he shares. The company, he informs, is coming out with its range of electric motors for EV applications. "So maybe in the next about five to six months, we will have our products being rolled out and tested by various customers. All the components are made in India and developed in-house including the controller," he adds.

## RKM0612 with BLDC motor

The displayed pump RKM0612 with BLDC motor is used for Through Tool Coolant and target customers include VMC manufacturers, CNC manufacturers, and Deep Hole Drilling machine manufacturers. The pump has a 1.5 kW, 415VAC (500VDC) BLDC motor. It has a speed of 2800 rpm and 1500 – 3600 rpm with a controller. Discharge is 30 LPM at 75 M head. It has efficiency of >=IE4 (86.5%). The advantages of RKM0612 include power performance that is similar to the pump with the induction motor at a rated speed. It consumes less power than the pump with the induction motor. Speed variation is possible. Different flow and pressure requirements can be met with the same pump. The size of the motor is smaller, and its weight is lower than the induction motor. **SD**

## Forming the Future of Manufacturing

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Concurrent shows



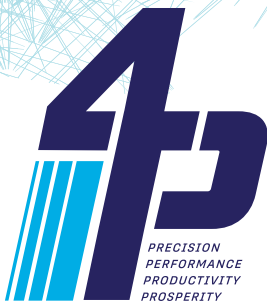
**19 - 23 January 2024**

Bangalore International Exhibition Centre (BIEC), Bengaluru



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Hall : **5** Stall No. : **B 107**



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**Highlights:**

**J6 R**

Table size: 850 x 500 mm  
Stroke (x,y,z) : 1000 x 600 x 600 mm  
Rotary pallet changer  
Spindle speed upto 10000 rpm  
24 tools Automatic Tool Changer  
Tool shank - BT 40  
Rigid structure with wider working area

**J8**

Table size: 1200 x 600 mm  
Stroke (x,y,z) : 1000 x 600 x 600 mm  
8000 rpm spindle speed  
24 tools Automatic Tool Changer  
Tool shank - BT 50  
Rigid structure with wider working area  
Wider column base ensures heavy duty machining

TURNING MILLING TURNMILL



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**CNC MARKING SOLUTIONS**

# Leaving a Mark

India's first manufacturer of pin marking machines Stamp 'It Robotai & Solutions is displaying its full range of dot pin marking machines and laser marking machines, along with robotic integration solutions, making a total of 15 to 16 models.

**Stamp 'It Robotai & Solutions Pvt Ltd**  
www.marknstamp.com  
Hall & Stall: 2A/B-102



Source: Magic Wand Media

» We expect IMTEX 2023 & Tooltech 2023 to play a pivotal role in our growth as the event is known for being an ideal platform for businesses to explore new opportunities.«

**Kaushik Kale**  
CEO  
Stamp 'It Robotai & Solutions Pvt Ltd

**K**aushik Kale, CEO, Stamp 'It Robotai & Solutions Pvt Ltd, has his hopes pinned on IMTEX 2023 & Tooltech 2023 and Digital Manufacturing 2023. "We expect it to play a pivotal role in our growth as the event is known for being an ideal platform for businesses to explore new opportunities," he notes.

The company has participated to its full potential and is showcasing its complete product range. "This way we intend to increase our brand awareness and generate quality leads. This is the right place to meet our existing customers as well as new prospects," he adds. "For shaping any business, feedback from the customer is very

important. It aligns our product innovation with their current and future needs. Hence, we have invited our clients here to witness all our models in one go. We are offering live demonstrations of our products at the event and are also showcasing a few automation and special-purpose machines," shares Kale.

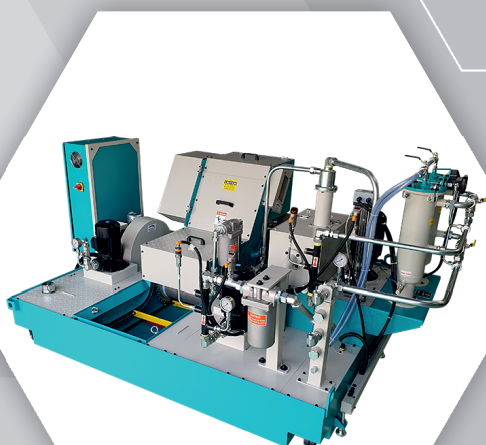
Marking Machine); MNSPC (Standalone Machine with PC Communication); MNSTC (Standalone Model with 7 in. Touch Screen Controller); SPR (Portable Hand-held Model with Controller); and SIA (Integration Model of SIA53 with Robotic for Automation Purpose). Models of Laser Marking Machines include ECO (20W Fiber Desktop Laser Marking Machine); ECO MAX (20W Fiber Laser Marking Machine Mounted on Trolley); and Stalline (20W Fiber Laser Machine with Encloser). In this edition of IMTEX 2023, the company is launching a Laser Marker with its own electronic cards and Stampsoft software. **SD**

## A highly comprehensive showcase

The company is displaying its entire range of Dot Pin Marking and Laser Marking machines, along with Robotic Integration Solutions. The different models of Dot Pin Marking machines include: MNSB (Battery Operated Wi-fi-Based

## Coolant tank goes smart

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U-Tech introduces a smart coolant tank that is industry 4.0 ready. Multi-decadal expertise in manufacturing various types of coolant tanks gives it the edge. Real-time feedback on a full range of critical parameters are displayed on an HMI using a specially developed program. As a coolant 'think' tank that is ahead of technology and time, it is the future of efficiency.

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## BUILT-IN DAMPERS

## SMART DAMPER PAT



Source: Motherson Techno Tools

**Motherson Techno Tools (JV with Sumitomo Electric)**  
www.mothersontools.com  
Hall & Stall: 4/B-143

**M**otherson Techno Tools Ltd (MTTL) is a specialist in providing best-in-class integrated tooling and cutting solutions for all kinds of metal machining requirements. It is a joint venture between Sumitomo Electric Industries, Japan, and Motherson Group, India.

The Smart Damper achieves high-speed and high-efficiency machining for work requiring a long projection length. It solves various problems caused by chatter due to long projections, such as inadequate surface roughness, defective dimensions of the machined workpiece, and shortened tool life.

### Key features

**Damping mechanism:** It has an incorporated unique damper that functions as both a counter damper and friction damper.

**Chatter suppressing mechanism:** Patent-pending counterweight maximizes the effect of the friction damper. Chatter is absorbed effectively and a higher machining accuracy is achieved. **SD**

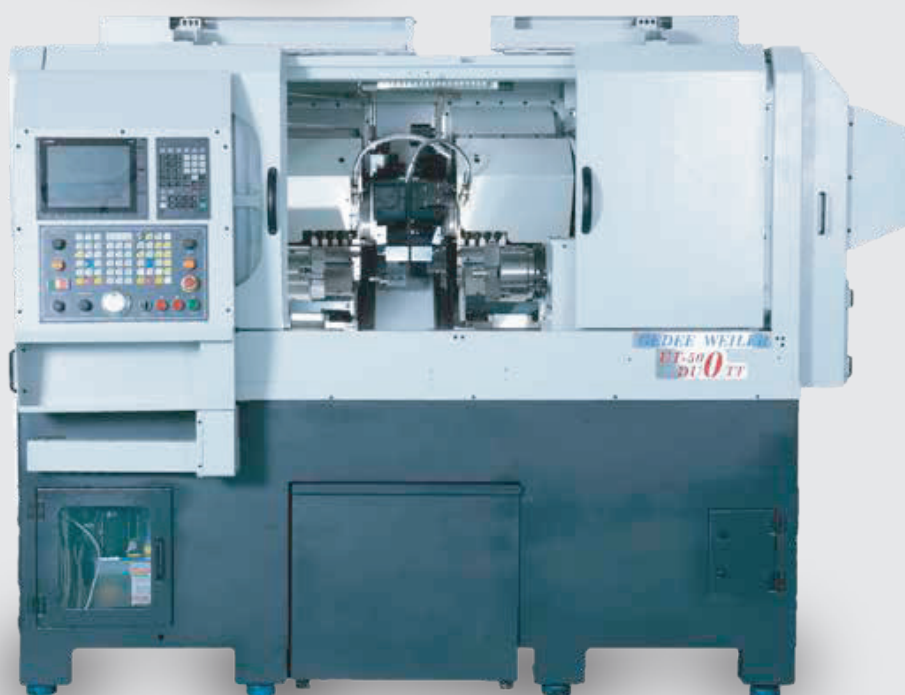


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**UT-35  
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**UT-50  
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**AQUEOUS CLEANERS**

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**Zavenir Daubert India Pvt Ltd**  
www.zavenir.com  
Hall & Stall: 4/A-154



Source: Magic Wand Media

**S**oumyodeep Bhattacharya, CEO, Zavenir Daubert India Pvt Ltd, reveals how the company has developed unique value propositions underpinned by the latest technologies for our

valued customers to support their strategic objectives at IMTEX 2023.

**Customer value maximization**

The company highlights its 'Chemical Process Optimization With

Superior Economics' customer value proposition. It optimizes a plant's interconnected chemical process steps from design to implementation. 'CCPP (Cut Clean Protect & Pack) Solution Engineering' harmonizes innovative technologies and expertise to create tangible customer value.

Customers can delegate performance ownership of their operations from raw material to final product to one partner, so they can focus on their core processes without worrying about chemistries interacting with their components. "We have planned to display our product range and a working model to showcase our value proposition of CCPP," Bhattacharya adds.

**Innovative options for cutting**

"IMTEX is a great customer engagement platform to introduce our next-generation products including: **X-CUT® Neat Cutting Oils:** Made from fully synthetic base oils, they provide superior anti-oxidation and anti-wear properties, as well as reduced evaporation and misting losses. **X-COOL® Water Soluble Cutting Fluids:** Based on micro-emulsion technology, these are thermodynamically stable, unlike traditional



Source: Magic Wand Media

» Each edition of IMTEX has given us memorable experiences in terms of developing customer insights, strengthening relationships, and leveraging opportunities to showcase our class-leading technologies.«

**Soumyodeep Bhattacharya**  
CEO

**Zavenir Daubert India Pvt Ltd**

## Airtech New Fixtures

Over the past few years Airtech has added many products to it already diversified range of work-holdings. Some of these are listed below:

**Alloy Wheel Chucks**



For machining of alloy wheels of both the 2 and 4 wheelers with very good accuracy and process optimization. Available with air sensing and air flushing.

**Sealed Chucks**



These are fully sealed chucks with grease inside. Avoids daily greasing and it requires low maintenance. Grease to be changed once in 6 to 8 months.

**Crankshaft Chucks**



For crankshaft pin and journal grinding to high accuracy. Very rigid clamping against cutting forces. Built in mechanism take care of irregularities in the holding diameter.

**Retractable Jaw Chucks**



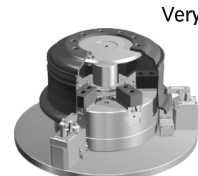
These chucks are useful for crankshafts and shafts machining to full length in one setup. These are provided with face driver and center.

**Brake Drum Chucks**



Developed as per customer requirement and processes to achieve very high accuracy and reduces the amount of balancing required post machining.

**Wheel Rim Chucks**



Very useful and meets the customers requirement and to achieve high accuracy and productivity.



**AIRTECH**

Airtech Private Limited

5<sup>th</sup> KM, NH-4, Village Narendra, Dharwad 580005, Karnataka, India  
Email: sales@airtechindia.com | Website: http://www.airtechindia.com

Visit us at: Hall 4, Stall B136, B137

**VERTICAL MACHINING CENTERS**

## The Highly Versatile J Series



Source: Lakshmi Machine Works Ltd

**Lakshmi Machine Works Ltd**  
www.lmwcnc.com  
Hall & Stall: 5/B-107

MW has launched two machines from its popular J Series Vertical Machining Centers. J6 R has rotary pallet changers which is a major requirement of many high-volume

production customers. It has a table size of 850 x 500 mm, a spindle speed of up to 10,000 rpm, and comes with 24 ATC tools.

J8 Vertical Machining Center has a table size of 1200 x 600 mm, a spindle speed of 6000 rpm, and it has BT 50 tooling for heavy-duty machining to meet the requirements of larger components (casting & forging).

J Series machines can be easily configured to handle different materials like steel, aluminum, brass, die steel, Inconel, and titanium. These machines are highly versatile and cater to major industries like Automobile, Die & Mould, Pumps & Valves, Forging, and General engineering.

**SD**

# GEARS

## THE PERFECT DRIVE SOLUTION FOR EVERY INSTALLATION SITUATION

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**TOOL HOLDERS**



**ROTARY TABLES**

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**HALL 2B, BOOTH B101**



**CASE STUDY**

# In Search of a Safe Coolant



Source: Blaser Swisslube Solutions Pvt Ltd

» The high performance of Blasocut BC 20 SW at Aakar made it possible to increase productivity across the board in the range of 5-15 percent. This allowed the management to optimize capacity planning.«

**Jitendra Lakotia**  
Chief Executive Officer  
Aakar Foundry Pvt Ltd

Aakar Foundry Pvt Ltd (Aakar) is a green-field project started in 2007. Today, the group has achieved a revenue of over 350 crore and its exports contribute to almost 35 percent of the group revenues. Aakar offers solutions right from prototype development to serial production through

HPDC, LPDC, and GDC routes. Aakar has its own independent aluminum foundry with an installed annual capacity of 6000 tonne. It has also built a strong capability in design, engineering, and value-added services, which gives it a full-service supply capability right from product conceptualization to designing and manufacturing.

Aakar has a wide base of automotive and non-automotive customers. The group has always been efficiency-driven and is striving to optimize operations wherever possible. To optimize existing capacity, Blaser experts visited the Aakar facility and talked about the added value through their unique Liquid Tool approach. After a detailed on-site analysis, the Blaser team presented to the management at Aakar the potential improvements in productivity with the Liquid Tool.

The project started with great enthusiasm at Aakar using the Blasocut formulation. Blasocut is based on a unique Bio-Concept which makes it one of the safest formulations in the world for humans and the environment. Given the importance of environmental and social goals for the Aakar Group, this was an added benefit to switching to Blaser.

## Promising results

The high performance of Blasocut BC 20 SW at Aakar made it possible to increase productivity across the board in the range of 5-15

percent. This allowed the management to optimize capacity planning. With this positive experience from Blaser Swisslube, the Aakar team is highly delighted, and this was another milestone in the journey of the value-added association of over five years says Jitendra Lakhotia, CEO, Aakar Group. Blasocut are water miscible coolants. They are high-performance machining and grinding fluids formulated to achieve long-term, potentially unlimited sump life. Unique Bio-Concept allows controlled growth of a stable biotope, eliminating the need for bactericides in the formulation. Variable concentration range allows for use in almost all applications. Blasocut versions are compatible, and the emulsions can be mixed together when desired. SW in Blasocut BC 20 SW stands for 'use with Soft Water only' (<180 ppm water hardness) and BC is a new generation Blasocut with excellent rinse behavior and stability for improved consumption and machine cleanliness. **SD**

**Company Name:** Aakar Foundry Pvt Ltd

**Award Category:** Productivity Increase

**Industry:** Automotive supplier

**Production:** Automotive components

**Application:** Machining

**Material:** Aluminum

**Objective:** Productivity Improvement

Aakar Foundry Pvt Ltd wanted to optimize its existing capacity

**Solution:** Blasocut BC 20 SW

The high performance of Blasocut BC 20 SW made it possible to increase productivity across the board in the range of 5-15 percent. This allowed the management to optimize capacity planning.

**Blaser Technical Consultant:** Gopal Dhole



Source: Blaser Swisslube Solutions Pvt Ltd

Source: Blaser Swisslube Solutions Pvt Ltd

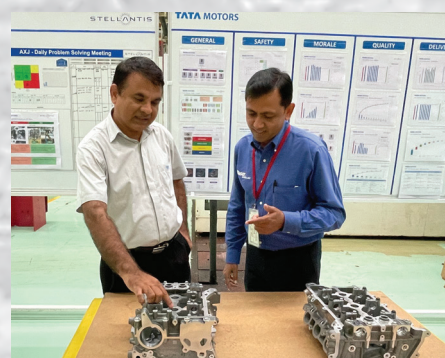
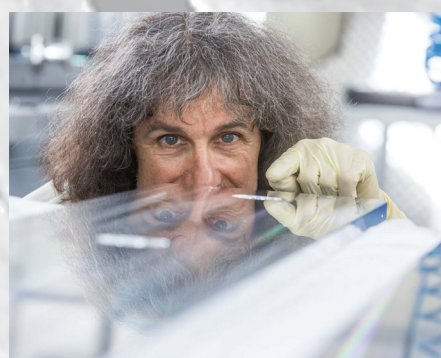
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Hall & Stall: 1B/A-111



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**ROTARY TABLES**

**UCAM Pvt Ltd**  
www.ucamind.com  
Hall & Stall: 1A/A-102

# Turning the Tables

UCAM is excited to announce the introduction of its new line of rotary tables, the Q Series and VAJRA-130 gear hobbing machine. The company leaders are here to provide expert advice and a better understanding of their products.



Source: Magic Wand Media

Vijay Zaritaklikar, National Sales Manager, UCAM Pvt Ltd, is thrilled that the company is participating in IMTEX 2023 & Tooltech 2023. "Our primary goal is to generate leads and increase brand awareness. Our

company leaders are present to provide expert recommendations and engage with attendees," he shares. The company is taking advantage of visually appealing and attention-grabbing graphics, videos, and signage at its booth to



Source: Magic Wand Media

» The Q series rotary tables are state-of-the-art, with a range of sizes and features to meet a wide range of applications. The VAJRA-130 is constructed with high rigidity and specifically designed to achieve high accuracy, high production output, and high speed. «

**Vijay Zaritaklikar**  
National Sales Manager  
UCAM Pvt Ltd

give visitors a better understanding of its offerings.

## The newest Q Series and VAJRA-130

UCAM is excited to announce the introduction of its new line of rotary tables, the 'Q Series', which includes the URQ-180, URQ-200, URQ-250, UDDRI-T300/60LP, USSR-200qTN, ULSR-200qTN, and UMTL-140Mq. These tables are renowned for their exceptional precision and accuracy and come in a variety of sizes and configurations, including 4-axis and 5-axis options, to meet the specific needs of the company's customers. UCAM is also launching the VAJRA-130, the latest version of its 7-axis CNC gear hobbing machine which

exemplifies its commitment to producing high-quality, durable, and reliable machines. It is built with the finest materials and rigorously tested to withstand the demands of modern manufacturing.

The Q series rotary tables are state-of-the-art and designed for precision and versatility, with a range of sizes and features to meet a wide range of applications. The VAJRA-130 is constructed with high rigidity and specifically designed to achieve high accuracy, high production output, and high speed.

"At our booth, we have set up a demonstration area where visitors can see our products in action, shares Zaritaklikar." **SD**

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## VERTICAL MACHINING CENTERS

# Plug & Play Performance



Source: S&T Machinery (P) Ltd

**S&T Machinery (P) Ltd**  
www.stmcnc.com  
Hall & Stall: 1A/A-117

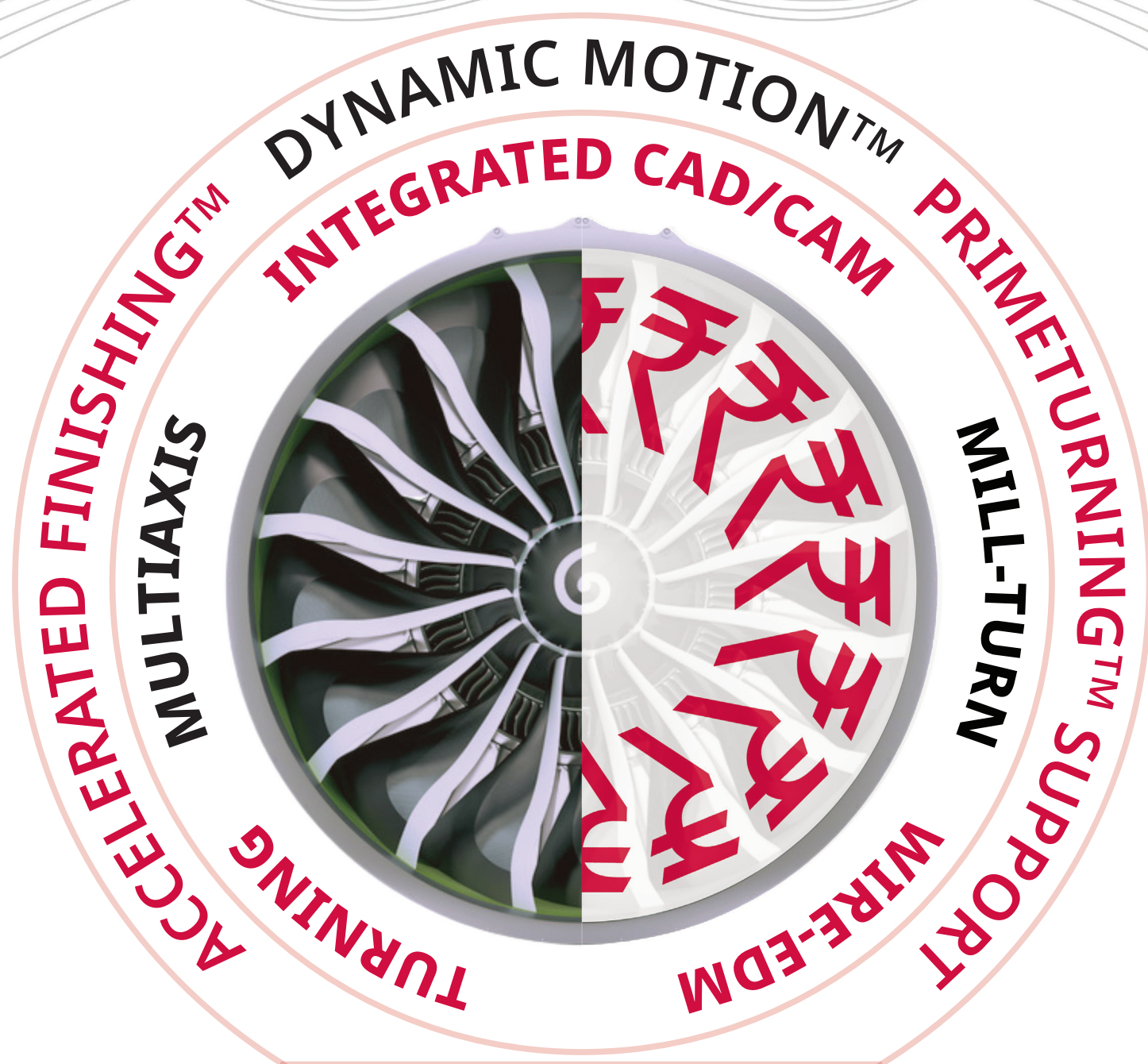
The STM VL850 VMC shows rigidity, performance, and quality output for all sorts of applications. With an exceptional combination of the Wide Casting Base, LM Roller Guideways of 3 axes, and G1 Balanced Spindle, stability and rigidity are assured.

The Spindle with G1 balance grade lowers distortion and vibration and helps in achieving superior finished parts and better tool life. The option of rpm up to 15,000 gives the highest finish up to 0.45 Ra.

Directly coupled motors for all axes are available to reduce backlash. There are options of belt/direct drive, chip conveyor, coolant through the spindle, auto tool changer, and many more, making the VMC versatile for machining precision and complex parts. Multiple cross ribs on the base and column ensure rigidity with the lowest thermal deformation during non-stop running, resulting in the positioning accuracy of 5 micron and repeatability of 3 micron for the full travel. **SD**



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## Turning Towards Precision

**Meiban Engineering Technologies Pvt Ltd, an end-to-end provider for both sheet metal and turned parts, showcases machines for large to medium volumes as well as hard part turning and high precision jobs.**



**A**V Srinivasan, CEO, Meiban Engineering, is delighted that IMTEX 2023 & Tooltech 2023 and Digital Manufacturing 2023 is happening in person to address their needs.

**Tailored solutions for automated turning operations**

Meiban Engineering leverages Murata Machinery, a global leader

in automated turning solutions for medium- to large-volume production applications, to make high-quality, profitable parts for many industries. "At IMTEX this time, the Murata Japan team has included a senior member from the application who is managing customer inquiries and responding on the spot," Srinivasan reveals.

The company has launched two new products at the event.

**Muratec Multi-Tasking Machine MT200:** It is a two-spindle, two-turret machine with all live tools and Y axis in both turrets. Muratec's future plans incorporate EV parts as well as non-automotive applications. This machine is suitable for both large volume - less variety, and medium volume - more variety parts.

**Twin Spindle CNC Chucker MW80:** It is a compact twin spindle turning machine with a gang tooling (linear) concept. MW80 is suitable for Hard part turning and high-precision operations due to the machine's design.

The company is also displaying three machines, including the all-new Multi-Tasking Machine MT200, Twin Spindle CNC Chucker MW120EX, and Twin

» We have taken some special marketing initiatives this time, like our sales team inviting our customers personally, identifying customer-specific requirements in advance, and allocating them a time slot during the exhibition so as to provide them proper attention.«

**AV Srinivasan**  
CEO  
**Meiban Engineering Technologies Pvt Ltd**

**Meiban Engineering Technologies Pvt Ltd**  
www.meibanengg.com  
Hall & Stall: 5/B-103

Spindle CNC Chucker MW80, all of which will be running with automation throughout the show. **SD**

**KNOWLEDGE SHARING**

## Celebrating Engineering Brilliance

**The 15<sup>th</sup> 'JAGRUTI - IMTMA Youth Programme' during IMTEX 2023 & Tooltech 2023 and Digital Manufacturing 2023 on January 21-22, encourages students from renowned engineering colleges across India to have an up-close encounter with the machine tool industry and prioritize learning the complex skill-set needed for the future.**



**T**he briefing session of JAGRUTI was held yesterday with a welcome address by S. Madhavi Chandrashekar, Chairperson, UDAAN, and a presentation by Rajashekara H V, Head, IMTMA Design Institute. The programme has been organized to familiarize engineering students with the

machine tool industry and keep them abreast of technological advancements with the view to making them industry-ready. While Chandrashekar comprehensively explained the scope of the machine tool industry to the young engineers, Rajashekara made a presentation on IMTMA's training modules.

"Any country where the manufacturing sector is growing, the country is growing. Globally, India is now in the 8<sup>th</sup> position in consumption and 11<sup>th</sup> position in production. Our industry is working hard to take up the production capability to 8. So, efficient engineers will have a good prospect in the machine tool industry," noted Chandrashekar.

**Students' participation**

Twenty-five engineering students from 12 institutes in India's west, south, and east/northeast regions are taking part in the programme. The list of participating engineering institutions includes Global Academy of Technology (Bengaluru), Indian Institute of Technology (Chennai), Jawaharlal Nehru Engineering College (Aurangabad), KLE Technological University (Hubballi), Pune Vidyarthi

Griha's College of Engineering and Technology (Pune), Marathwada Mitra Mandal's College of Engineering (Pune), National Institute of Technology (Durgapur), Institute of Technology - Nirma University (Ahmedabad), RV College of Engineering (Bengaluru), SASTRA Deemed University (Thanjavur), Tatyasaheb Kore Institute of Engineering & Technology (Warananagar), and The Assam Kaziranga University (Jorhat).

The students will be attending the exhibition with the assistance of UDAAN members. IMTMA has established the UDAAN club to develop the next generation of machine tool builders. The members of UDAAN include the next generation of family-owned enterprises, young entrepreneurs, and young professionals aspiring to be CEOs and COOs. **SD**



**TOOL GRINDING MACHINES**

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**With customer success as a top priority, United Grinding offers comprehensive application expertise, a large product portfolio, and a full range of services for the production of high-precision components.**



L-R: Paul Koessl, Head of Business Development and Marketing, United Grinding Group and Sudheendra C R, President & Designated Partner, United Grinding India LLP at the company booth.

After a four-year hiatus, IMTEX 2023 & Tooltech 2023, and Digital Manufacturing 2023 returns as a physical expo, offering in-depth

knowledge, networking with peers and clients, and the opportunity to market and attract customers. Exhibitors, participants, and attendees leave with

**United Grinding India LLP**  
www.grinding.ch  
Hall & Stall: 4/C-115

Indian market in 2021, and we have already sold many machines," he claims. "We are happy to demonstrate this machine as it has evinced a lot of interest from our customers."

## Staying connected with customers

"Our main market in India is the tooling industry. There are a lot of tool manufacturers here in India. We also have a market in the automotive sub-supplier segment, which means component manufacturers as well as chop shops," shares Paul Koessl, Head of Business Development and Marketing, United Grinding Group. United Grinding Group also has a service department in India. "Our service engineers install all the machines that are coming into the country, and they do the service afterward. What we also do since the year now, is we changed from being a branch office. We are now an 'LLP' in India, meaning we are importing spare parts and selling them to the local customer. So the customers can buy them here in Indian rupees and don't have to hassle with imports and duties. We provide service for them," explains Koessl.

new strategies and stronger relationships to help their businesses thrive for years to come.

"Such an experience was missing due to the pandemic," says Sudheendra C R, President & Designated Partner, United Grinding India LLP. "We have gotten used to meetings on Skype, Teams, etc., but nothing can beat a personal meeting with a live demonstration of the machine to our customer."

## Showcasing the cutting-edge

The company showcases a Walter Helitronic G 200 CNC Tool Grinding Machine and a Studer Guide model in this edition of the show. "Walter Helitronic G 200 CNC Tool Grinding Machine had a sales release for the

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**INTERNATIONAL ASSOCIATION - KOMMA**

# Collaboration is Key

**Korea Machine Tool Manufacturers' Association is here at IMTEX 2023 & Tooltech 2023 to explore opportunities for Korean companies to enter and expand in the Indian market.**



Source: Magic Wand Media

**K**yung Dong Kim, Director General, Korea Machine Tool Manufacturers' Association (KOMMA), congratulates IMTMA for organizing IMTEX 2023, which is being held face-to-face for the first time in four years. "We hope for a successful edition, and our association expects many quality buyers to

visit the Korean Pavilion. We hope IMTEX 2023 turns out to be an opportunity for Korean companies to enter and expand in the Indian market," he notes. Nine Korean Pavilion companies and 6 individual participating companies organized by the Korean Association are taking part in IMTEX 2023.

**Korea Machine Tool Manufacturers' Association**  
<https://komma.org/eng/introduction.html>  
Hall & Stall: 4/C-112



Source: Magic Wand Media

» As India has recently emerged as a global hub for auto parts sourcing and has cost advantages as the world's second-largest steel producer, I think it will be a good opportunity to further develop India's manufacturing processes and equipment by utilizing Korea's automotive parts manufacturing technology and machine tool manufacturing technology."

**Kyung Dong Kim**  
Director General  
Korea Machine Tool Manufacturers' Association (KOMMA)

## India-Korea import-export

Kim shares statistics indicating the changes in import-export figures due to the impact of the pandemic. "Due to COVID-19, South Korea's exports to India fell by 13.2 percent on-year to \$99.04 million in 2021, but by November 2022, exports rose sharply to \$14.94 million, or 73.3 percent on-year. This seems to have increased exports of equipment delayed by the global logistics crisis last year, and numerically, it has recovered to the level of 2019. South Korea's Indian imports rose by 62.4 percent to \$3.04 million by November 2022, following a 346.9 percent on-year increase to \$2.22 million in 2021. When asked which technologies from Korea can help the Indian manufacturing sector to upgrade their processes and set-ups, Kim replies, "In Korea, machine tool technologies for manufacturing parts of major demand industries

such as automobiles, IT electric and electronics, semiconductors, and shipbuilding have developed. As India has recently emerged as a global hub for auto parts sourcing and has cost advantages as the world's second-largest steel producer, I think it will be a good opportunity to further develop India's manufacturing processes and equipment by utilizing Korea's automotive parts manufacturing technology and machine tool manufacturing technology." To know more on the same, Korea's largest exhibition hosted by KOMMA, SIMTOS 2024, will be held in Korea from April 1 to 5, 2024, under the theme of automation and digital transformation in line with industrial trends. **SD**

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## DELEGATE SPEAK

» We are a regular at IMTEX exhibitions and it is always a delight witnessing cutting-edge products and technologies. Having covered all the halls, we must commend the organizers for putting it all together so deftly. We have witnessed some advanced machinery such as pallet changers, auto-pilot transfer, etc., which has been modernized and automated. We are glad we could explore such a wide range of advanced products under one roof. I hope IMTMA continues this trend of exhibitions."



Source: Magic Wand Media

**Shirish Deshpande**  
Senior Manager  
Plant Head, Baramati Plant  
Kalyani Technoforge Ltd  
Pune



**MACHINE TOOL SOLUTIONS**

## Meeting Complex Requirements

**PMT Machines Ltd has displayed a variety of products that will speak volumes about the company's strengths, unique abilities, and skills.**



Source: Magic Wand Media

**R**onald D'Souza, CEO, PMT Machines Ltd, is excited to showcase the company's new technologies and products at IMTEX 2023 & Tooltech 2023 and Digital Manufacturing 2023. The company offers customized solutions, and its machines are manufactured and tooled up according to the customers' needs. "The products are fitted with an economical automation

system to eliminate operator interference and increase productivity and quality consistency," he shares. He states that the company's most competent technical team will demonstrate and give solutions to the technical challenges of its customers. "Our uniqueness will bring customers to our stall as they will find a solution to having a competitive advantage in the market," he further adds.

### IMTEX special

The company is exhibiting CNC Grinding machines, CNC Turning machines, CNC Hobbing machines, and Automats, which include Heavy-Duty SC-14 Lathe and FIG series of internal CNC grinding machines. "We have launched a high-productivity CNC Gear Hobbing machine suitable for workpiece diameter of up to 250 mm. The machine is extremely rigid and is designed for heavy-duty hobbing of medium-sized gears. It can also be fitted with automation," informs D'Souza. The newly introduced machine guarantees high productivity with optimum cutting parameters and has a rigid bed construction with coolant circulation for thermal stability. FIG series of internal CNC grinding machines are very popular and available in various combinations to suit the customers' requirements. These machines can perform seve-



Source: Magic Wand Media

» Our uniqueness will bring customers to our stall as they will find a solution to having a competitive advantage in the market.«

**Ronald D'Souza**  
CEO  
**PMT Machines Ltd**

**PMT Machines Ltd**  
www.pmtmachines.com  
Hall & Stall: 2A/B-112

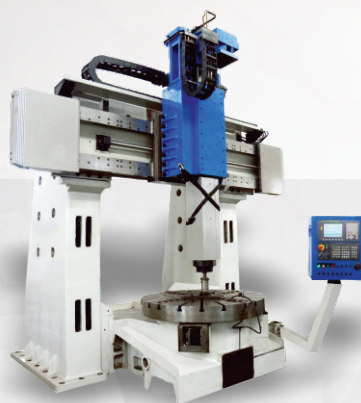
ral grinding operations like Internal, Front Face, Back Face, and O.D. The Grinding operation happens in a single set-up. Components can range from 4 mm to 500 mm ID and weigh up to 500 kg. Wheel spindles are available belt-driven to the latest HF type, power up to 40 kW, and suitable for wheels  $Al_2O_3$  to CBN Grinding. The dressing of the wheel could be a single-point dresser, blade type, or rotary dresser. **SD**

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