

15<sup>th</sup> International Machine Tools Exhibition

AIEMA Initiative

Chennai Trade Centre, Chennai, India

15 - 19 June 2023

**DAY 2 • 16 JUNE 2023, FRIDAY** 

### **GAINING MOMENTUM**

# EMBRACING INNOVATION IN MANUFACTURING

The energizing atmosphere at the opening ceremony of ACMEE 2023 was palpably evident, with attendees buzzing with excitement and enthusiasm as the industry veterans flagged off the 15<sup>th</sup> edition of the show and expounded on the current positives happening in the manufacturing industry which would lead to a brighter tomorrow.



Industry titans at the inauguration ceremony of ACMEE 2023

nce again the renowned event of ACMEE is all geared up to be an ideal converging point for industry professionals, manufacturers, and technology enthusiasts

to gather and explore the latest advancements in the machine tools and manufacturing sector. The Indian machine tool industry is currently experiencing significant growth. With a focus on technological advancements, increased precision capabilities, and growing demand from various sectors such as automotive, aerospace, defence, and electronics, the industry is witnessing a positive trajectory.

### The time is now

It is thus an opportune time for the 15<sup>th</sup> edition of ACMEE, organized by Ambattur Industrial Estate

To be continued on 3

### Meiban® TURNKEY SOLUTIONS FOR AUTOMATED TURNING OPERATIONS In urated

















### **NEW GENERATION TURNING CENTER**



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> Max turn dia Max turn length

: 320 mm : 300 mm Chuck dia Max power :8 inch : upto 7.5 Kw

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TURNING

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### From page 1

Manufacturers' Association (AIEMA) to happen and open new avenues for the machine tool industry. The event was inaugurated yesterday with the traditional lighting of the lamp by the Chief Guest Thiru RN Ravi, Hon'ble Governor of Tamil Nadu, in the presence of Satyakam Arya, Managing Director & CEO, Daimler India Commercial Vehicles Pvt Ltd, and Satish Sadasivan, Managing Director, Schunk Intec India Pvt Ltd.

During his welcome address, T Nalangilli, President, AIEMA, expressed his gratitude to Thiru RN Ravi, the State Governor, for gracing the event as the Chief Guest. He emphasized that this is everyone in attendance. He added that with the Governor's wise guidance and unwavering support, the manufacturing industry and engineering education system in Tamil Nadu are poised to make significant progress.

"The exhibition is ideal for local entrepreneurs to showcase their products and gain exposure to international trends. It is an opportunity for engineers and

ast of the latest demands, designs, and developments from around the world," he further added. He also expressed confidence that this event will facilitate business transactions worth INR 650 crore, further fostering growth and collaboration within the industry. In similar sentiment, K Sai Sathya Kumar, Chairman, ACMEE 2023, highlighted the significance of the event. "With the participation of 435 companies from around the world and the inclusion of 105 international brands, attendees have the opportunity to explore and discover potential upgrades for their manufacturing processes," he noted.

He emphasized that ACMEE 2023 holds immense value for local engineers, management professionals, a matter of great inspiration for supervisors, and anyone involved in manufacturing activities.

### Manufacturing on a roll

In his address, the Hon'ble Governor of Tamil Nadu, Thiru RN Ravi highlighted the transformative changes taking place in the Indian manufacturing industry. He pointed to the Government's role in actively promoting the growth of small industries, encouraging innovation, and providing industry professionals to be abre- financial support. He called upon industry to prioritize the deve- world," he added.

**User Sectors Machine Type** Infrastructure, Power, Railways Large Machines and Energy **High Precision Machines** Aerospace, Defence and Instrumentation **Electrical & Micro** Die & Mold, Defence, Medical, Machining **Electronics Multi-tasking Aerospace, Power and Process** industries

**MACHINE TOOL DEMAND GOING STRONG** 

neurs to step forward with new ideas and implement them. "We must develop new super technomanufacturing industry the way we supported the world with vaccines during the COVID-19 pandemic," he added.

young engineers and entrepre-

Process, Forging,

**Hot Forming** 

Arya too put the spotlight on the manner in which the challenges were overcome during the pandeproducts with the latest advancements and competitive costs. He highlighted the crucial role of

lopment of sustainable products. He pointed out that platforms like ACMEE 2023 provide valuable opportunities for local manulogies and deploy them in our facturers to witness and learn from these advancements.

Defence, Aerospace, Die & Mold,

**Auto Components** 

Sadasivan emphasized the potential for the industry to achieve a position of superiority. Acknowledging the challenges involved, he expounded on the importance of maintaining a balance between mic and emphasized the impor- competitiveness, quality, and tance of designing innovative sustainability. "We have a robust infrastructure, favorable support from the Government, the best IIoT application expertise, and adequate financing in achieving other strengths. Those should be this goal and emphasized the effectively harnessed to be the need for the manufacturing next best manufacturer in the

WE LOVE TECHNOLOGY





### **ROTARY TABLES**

### DRIVING INNOVATION IN MANUFACTURING

UCAM, a leading manufacturer of rotary tables and machining solutions, is all geared up for an exciting showcase at ACMEE 2023 to enhance its brand visibility.

**6** ACMEE holds a prominent position as one of the premier machine tools exhibitions in southern India, drawing significant attention from industries akin to ours. We anticipate a substantial turnout and eagerly await to meet numerous visitors, including  $\Sigma$ potential customers from auto and non-auto industries, industry experts, and manufacturing enthusiasts seeking to explore the At the show, UCAM is highlighting latest technologies and expand their knowledge," says Vijay Zaritaklikar, Head-Sales & Service, manufacturing solutions. These UCAM Pvt Ltd.



its Q series – 4<sup>th</sup> and 5<sup>th</sup>-axis rotary tables, the latest addition to its

tables stand out for their exceptio-"We anticipate a substantial turnout and eagerly await to meet numerous visitors, including potential customers manufacturing operations. from auto and non-auto industries, industry experts, and

VIJAY ZARITAKLIKAR **Head - Sales & Service, UCAM Pvt Ltd** 

technologies and expand their knowledge."

manufacturing enthusiasts seeking to explore the latest

nal precision, reduced power consumption, and increased speed, offering significant time savings in production. Additionally, UCAM is also showcasing various essential accessories that complement its products and ensure seamless

### **Optimizing manufacturing** operations

UCAM recognizes the importance of embracing automation and digital solutions to optimize manufacturing operations. The company has integrated automation and flexible manufacturing systems (FMS) to streamline processes and improve efficiency. UCAM also plans to leverage digital solutions, such as enterprise resource planning (ERP) and inventory management software, to optimize its supply chain and enhance overall business operations.

### Continuously evolving

It has successfully expanded its market reach. Its products are now exported to various countries, including Europe, the UAE, and Russia. This global presence showcases UCAM's dedication to delivering world-class solutions and meeting the evolving needs of customers worldwide. 🥹

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

### **DIGITAL ZOOM MICROSCOPES EASYZOOM FROM MOTIC**

Motic EasyZoom (Hyper-Focal) Digital Zoom Microscope is a versatile and powerful system that offers an impressive magnification range of 50X to 5800X with its single zoom lens body. This innovative digital zoom microscope system integrates observation, recording, measurement, and reporting functions, making it a standout choice in the market.

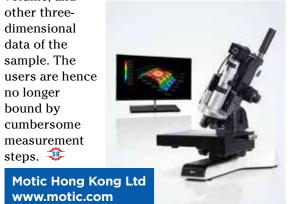
The unique optical system allows EasyZoom to have 3 times more hyper depth than before.

Coupled with the sophisticated digital imaging system, the system is rid of the hyper-focal problem that exists in traditional microscopes. The convenient and fast 3D software can also quickly measure the length, width, height,

Source: Motic Hong Kong Ltd

volume, and other threedimensional data of the sample. The users are hence no longer bound by cumbersome measurement

Hall & Stall: G/17-A



### **GRINDING MACHINES EASING THE GRIND**

Introducing the PLUTO 18, the game-changing grinding machine that is set to revolutionize the industry. With its compact design and unmatched grinding capabilities, this cutting-edge machine is built to optimize space utilization without compromising on performance.

The PLUTO 18 boasts exceptional precision for both plunge and traverse grinding operations. Operating this machine is a breeze, thanks to MGT's userfriendly Standard Graphics screen. The intuitive interface simplifies navigation and control, ensuring ease of operation for even the most complex tasks.

Designed with turcite-lined guideways and recirculating lubrication, the PLUTO 18 guarantees smooth and accurate movements, resulting in superior grinding outcomes. Its tailstock with spring clamping and hydraulic retraction enhances job clamping efficiency, while full guarding provides added safety and protection.

Available in both straight and angular wheel head configurations, the PLUTO 18 offers unparalleled versatility to cater to specific grinding requirements. 🥸

**Micromatic Grinding Technologies Pvt Ltd** www.acemicromatic.net Hall & Stall: AMS/A-100 & A-101

### **AERIAL WORK PLATFORM SOLUTIONS** LIFTING UP

Mlift by Mtandt provides a wide range of aerial work platform solutions to make working at heights safe and productive. Boom lifts provide reliable and efficient access to elevated work areas in various industries, including construction, manufacturing, etc. One can choose from a fleet of multiple models and sizes available to meet

the specific needs of their job site. while ensuring safety and productivity. 🥸

**Mtandt Rentals Ltd** www.mtandt.com Hall & Stall: B-12





## **ONE-STOP**

### **MACHINING SOLUTIONS**

- Optimized Tooled Up Solutions
- Proven Automation Solutions
- High Precision Machining Center
- Smart Machining Center
- Smart Machining Features

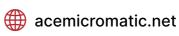


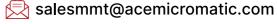




Visit us at

Hall No: AMS HALL, Stall No: A100, A101













## 6 | ACMEE Show Da

### **METALLOGRAPHY EQUIPMENT**

### **SEIZING GROWTH OPPORTUNITIES**

ACMEE acts as an indispensable tool for Chennai Metco, serving as a catalyst for its growth and providing a space where it can collaborate with industry players.



"One of the key advantages of ACMEE is its ability to attract a significant number of local manufacturers who visit the fair. This creates a favorable environment for us to engage with almost every potential customer in Chennai, thereby maximizing our reach and exposure within the region."

**C RENGANATHAN Managing Director, Chennai Metco Pvt Ltd** 

anufacturing is expe- emerging as a prominent hub for demand from this region in riencing a positive automotive production. "As an recent times. With ACMEE's atmosphere nation- essential market for us, we have specific focus on the Chennai ride, with Chennai observed a notable surge in region, we are delighted to showcase our products to make the most of this continuously expanding market," says C Renganathan, Managing Director, Chennai Metco Pvt Ltd.

> ACMEE is a highly regarded show for the company, as it effectively connects it with the right set of customers from its target industries.

### **Always with ACMEE**

Chennai Metco's long-standing association with ACMEE since its first edition speaks volumes about its significance. "Trade fairs act as a dynamic marketplace where customers come with specific expectations, whether it's purchasing products, modernizing their processes, or making strategic investments. ACMEE, in particular, plays a crucial role in facilitating these interactions," he notes.

Some of the company exhibits at ACMEE 2023 include Abrasive Cutting Machine, Polishing Machine, Mounting Press, Metallurgical Microscopes, Hardness Testers, and Imaging. 🌼

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

been provided with an umbrella-

with a separate dedicated angular

head station for easy changeover

and multiple operations in a single

setup. Powered with a Fanuc 0i TF

Plus series CNC system, JVTM-1.2

type ATC with 20 tool options,



Jagdeep Machines (India) **Pvt Ltd** www.jagdeepfoundry.in Hall & Stall: B-103

### **CNC VERTICAL TURN-MILL CENTER JVTM-1.2 WITH Y-AXIS**

Jagdeep Vertical Turn-Mill Center The machine has a heavy-duty with Y-Axis is a versatile machine double-column construction, with capable of performing various operations, including turning, milling, PCD drilling & tapping, profile turning, taper & offset turning, thread-milling, multi-axis machining, side milling, drilling, tapping, etc. with an angular head generally in a single or a few setups to facilitate higher productivity and precision.

seasoned castings. The table has been provided with a suitable set of bearings to support and machine heavy jobs while maintaining accuracy and finish. With rigid construction and optimized ratio to the table and cutting spindle increases productivity with less power consumption. The machine has

(Y-Axis) machine is easy to operate and maintain. 🌼 **PROFILE GRINDING** 

Ltd specializes in providing equipment that uses state-ofthe-art technology to achieve high precision and accuracy. Its equipment is designed to handle a wide range of gears, produce gears with complex

**Indwel Precision Gears** 

### **EQUIPMENT** IT'S ALL IN

THE GRIND Indwel Precision Gears Pvt

www.indwel.com Hall & Stall: C-107



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

## **Rotary Tables**



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ULSR-200q-TN



URH-320-DTS



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URH-153-TN

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**DRILL TAP CENTERS** 

LMW Machine Tool Division - India's finest range of CNC Machine

manufacturer, is displaying JD 1, a high-speed drill tap center at

JD 1 has stroke capabilities of 500 mm on the X-axis, 400 mm on the

Y-axis and 320 mm on the Z-axis. It also boasts a spacious pallet size

of 650 mm X 400 mm, allowing for efficient handling of the materials.

Equipped with a maximum power of 30 kW, this machine is designed

high-speed drill tap center features a rigid structure that provides a

to deliver superior performance and precision. The company's

wider working area, allowing for greater flexibility and precision.

With a direct drive spindle of BBT 30 and spindle speeds of up to

performance and accuracy. The high-speed pocket tilting automatic

tool changer ensures smooth and seamless tool changes, while the

high rapid transverse rates of 48 m/min enable efficient and speedy

24,000 rpm, this machine is capable of delivering unparalleled

### **ENHANCING** JD 1 HIGH SPEED DRILL TAP CENTER

### **LAUNCHING OF FIXTURE DESIGN COURSE**

Kriatec Services is a 14-year-old company that provides cost-saving techniques and benefits to industries through CAM, software products, high-end cutting tools, consultancy, and CAD/CAM services globally. The company has its online learning platform Learnew to enhance the skill sets of mechanical engineers who want to work in manufacturing or design fields. It is launching Fixture Design and Hydraulic Fixture Design courses globally. 🥹

**Kriatec Services Pvt Ltd** www.learnew.org www.kriatecglobal.com Hall & Stall: A-38

### **NESTING/CAM SKILL SETS SOFTWARE FOR OPTIMIZING**

MACRO NEST is an advanced Nesting/CAM software designed for the Plasma, Laser, and Gas Cutting industry to optimize the utilization of raw materials, which, in turn, reduces wastage. Additionally, it saves money on both labor and raw material. It is a user-friendly software, which is easy to learn and use. Its salient features include: Nesting job sheet; Part fixing; Auto fix; Manual nesting; Cut sheet support; Post processor for gas cutting, water jet, plasma, and laser cutting; NC editor/ simulation; Robust placement parameters; Integrated ERP approach. 🌼

**PROCESSES** 

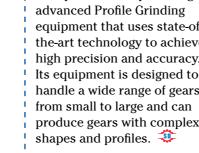
**CAD MAcRO Design & Solutions Pvt Ltd** www.cadmacro.com Hall & Stall: G-04





ZEISS Industrial Metrology | Hall A, Stand A-115 | www.zeiss.co.in/metrology/about-us/production-sites/bangalore.html







movements of the machine.

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

With its advanced features

and capabilities, this

deliver precision and

Automobile, Electric

components for

machine is designed to

efficiency in producing

Vehicle, Die & Mould and

Electronic segments.



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Meet us at ACMEE EXPO 2023, Booth number B106 from 15<sup>th</sup> to 19<sup>th</sup> June, 2023 automation@deltaww.com | www.deltaelectronicsindia.com

