



An **AIEMA** Initiative

15 - 19 June 2023

Chennai Trade Centre, Chennai, India

THEME: SMART MANUFACTURING

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 15th 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

Once 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 tech-

nological 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 15th edition of ACMEE, organized by Ambattur Industrial Estate

To be continued on 3 ▶

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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 a matter of great inspiration for 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 industry professionals to be abre-

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, 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 financial support. He called upon

MACHINE TOOL DEMAND GOING STRONG

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

young engineers and entrepreneurs to step forward with new ideas and implement them. "We must develop new super technologies and deploy them in our manufacturing industry the way we supported the world with vaccines during the COVID-19 pandemic," he added. Arya too put the spotlight on the manner in which the challenges were overcome during the pandemic and emphasized the importance of designing innovative products with the latest advancements and competitive costs. He highlighted the crucial role of adequate financing in achieving this goal and emphasized the need for the manufacturing industry to prioritize the deve-

lopment of sustainable products. He pointed out that platforms like ACMEE 2023 provide valuable opportunities for local manufacturers to witness and learn from these advancements. 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 competitiveness, quality, and sustainability. "We have a robust infrastructure, favorable support from the Government, the best IIoT application expertise, and other strengths. Those should be effectively harnessed to be the next best manufacturer in the world," he added.

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NEW



Hall B
Booth
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15 - 19 June 2023,
Chennai Trade Centre,
Chennai, India

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.

“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 potential customers from auto and non-auto industries, industry experts, and manufacturing enthusiasts seeking to explore the latest technologies and expand their knowledge,” says Vijay Zaritaklikar, Head - Sales & Service, UCAM Pvt Ltd.



At the show, UCAM is highlighting its Q series – 4th and 5th-axis rotary tables, the latest addition to its manufacturing solutions. These tables stand out for their exceptional

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 manufacturing operations.

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, volume, and other three-dimensional data of the sample. The users are hence no longer bound by cumbersome measurement steps.

Source: Motic Hong Kong Ltd



Motic Hong Kong Ltd
www.motic.com
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 user-friendly 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

Source: Micromatic Grinding Technologies Pvt Ltd

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.



Source: Mtandt Rentals Ltd

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

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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.



Source: Magic Wand Media

Manufacturing is experiencing a positive atmosphere nationwide, with Chennai emerging as a prominent hub for automotive production. "As an essential market for us, we have observed a notable surge in

demand from this region in recent times. With ACMEE's specific focus on the Chennai 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.

"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

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.chennai-metco.com
Hall & Stall: B-66

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

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

Jagdeep Vertical Turn-Mill Center with Y-Axis is a versatile machine 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.

The machine has a heavy-duty double-column construction, with 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

been provided with an umbrella-type ATC with 20 tool options, 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 (Y-Axis) machine is easy to operate and maintain.

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Hall & Stall: C-107

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DRILL TAP CENTERS**JD 1 HIGH SPEED DRILL TAP CENTER**

LMW Machine Tool Division - India's finest range of CNC Machine manufacturer, is displaying JD 1, a high-speed drill tap center at ACMEE 2023.

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 to deliver superior performance and precision. The company's high-speed drill tap center features a rigid structure that provides a wider working area, allowing for greater flexibility and precision.

With a direct drive spindle of BBT 30 and spindle speeds of up to 24,000 rpm, this machine is capable of delivering unparalleled 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 movements of the machine.

With its advanced features and capabilities, this machine is designed to deliver precision and efficiency in producing components for Automobile, Electric Vehicle, Die & Mould and Electronic segments.

Source: Lakshmi Machine Works Ltd



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

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Hall & Stall: A-38

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