



An AIEMA Initiative

15 - 19 June 2023

Chennai Trade Centre, Chennai, India

DAY 3 • 17 JUNE 2023, SATURDAY

THEME: SMART MANUFACTURING

CNC MACHINES

WITH CUSTOMERS, TOWARDS PROSPERITY

LMW, with its longstanding association with AIEMA as the organizer of ACMEE, is eagerly preparing to make the most of this esteemed event. In this edition, the company is fully committed to exceeding its customers' expectations by showcasing its state-of-the-art machines and solutions that are specifically designed to cater to the diverse needs of varied industries.

Having participated in seven previous editions, LMW has capitalized on the opportunities offered by ACMEE to engage with customers at the international machine tools expo and present to them its state-of-the-art products. In the current edition, the company is determined to surpass customer expectations by showcasing cutting-edge machines and solutions tailored to the requirements of industries such as Automobile, Die & Mold, and Electronics. LMW's recent launch of six new products and various variants further strengthens its offerings, and select models from this line-up are being showcased at ACMEE 2023. With a focus on reliability, productivity, and high-speed performance, it aims to cement its position as a leading provider of innovative solutions in the Chennai industrial belt and beyond.



Source: Magic Wand Media

"ACMEE is the platform that helps us meet our right customers from the target industries," says Indraneel Bhattacharya, VP Sales & Marketing, Lakshmi Machine

Works Ltd. "Our latest machines address the industry demands like high quality and precision for accurate machining results, ensuring the production of high-prec-

sion components. They also cater to market needs by delivering optimal efficiency and productivity,

To be continued on 3 ▶

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MW100HGL



Twin Spindle CNC Chucker

BB4013

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MOTORUM 2048TS

CNC Servo Motor Driven Ram
Turret Punch Press

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HIGH SPEED VERTICAL MACHINING CENTERS



JD 1

High speed Drill Tap Center | Rigid structure with wider working area
Direct Drive Spindle upto 24,000 rpm | Spindle taper – BBT30
High speed pocket tilting Automatic Tool Changer
High rapid traverse rates (48 m/min)

Stroke X/Y/Z axis : 500mm x 400mm x 320mm
Pallet Size L x B : 650mm x 400mm
Max Power : Upto 30Kw

JG 50

High rapid traverse rate (60 m/min)
26 tools Automatic Tool Changer | Tool changing time – 1 sec
Sleek design/ Small footprint | Integrated spindle upto 16000 rpm
Spindle taper – HSK A50 | 1G+ Acceleration

Table size : 600 x 400 mm
Stroke (x,y,z) : 500 x 400 x 400 mm



FOR ENQUIRY
VISIT US @
LMW HALL
STALL B- 72

INDIA'S FINEST
RANGE OF CNC MACHINES

TURNING

MILLING

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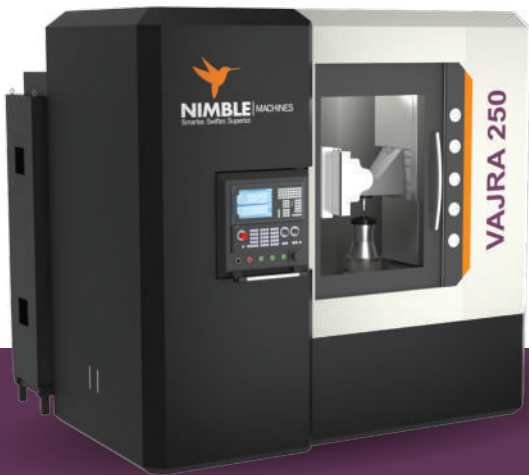
www.lmwncnc.com



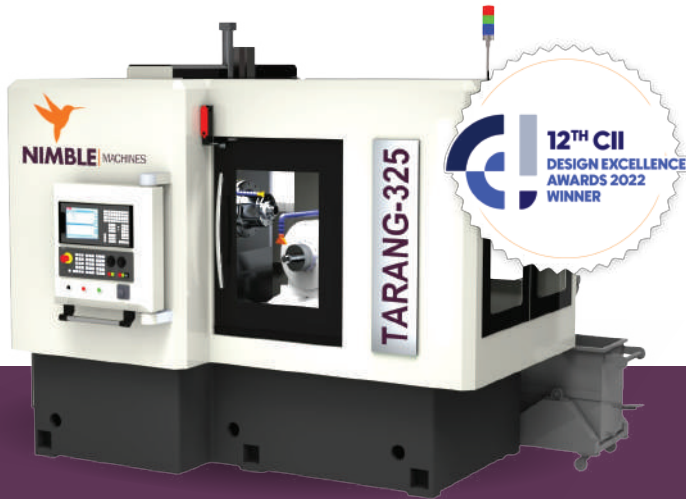
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LMW CNC



INTEGRATED SOLUTIONS



CNC Gear Hobbing Machine



CNC Spiral Bevel Gear Generator

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From page 1 ▶

achieving maximum output, minimizing cycle times, and significantly reducing downtime,” he adds.

Regional shows have a reach

According to Bhattacharya, regional shows such as ACMEE serve as a valuable means to maintain connections with customers and engage with potential clients. They provide a platform for direct interaction between a company and its customers, fostering meaningful relationships. “By showcasing our latest products and solutions, especially tailored to the industry segments in these regions, we effectively demonstrate our capabilities. This enables customers to experience and select from our comprehensive range of products and solutions, meeting their specific requirements effectively,” he adds. LMW is leveraging the current edition and is exhibiting ‘S turn I’, a contemporary turning center, and JD-1, a high-speed drill tap center at ACMEE 2023. ‘S turn I’ comes with a maximum diameter of 320 mm and a maximum length of 400 mm. It has an



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INDRANEEL BHATTACHARYA
VP Sales & Marketing
Lakshmi Machine Works Ltd

8-station hydraulic turret, allowing for efficient and precise tool changes during operations. Additionally, the spindle speed of 4,500 rpm and spindle power of 5.5/7.5 kW allow for fast and powerful cutting operations. This makes the machine suitable for a wide range of applications, from high-volume production runs to precision machining of complex parts. 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. “Our high-speed drill tap center features a rigid structure that provides a wider working area, allowing for greater flexibility and precision,” elaborates Bhattacharya. “We are also showcasing Gigaturn, a larger diameter turning center and J6, which is a versatile machining center. In addition, we offer a comprehensive range of solutions that effectively addresses the specific needs of various industries,” he shares.

The four essential P’s
LMW has introduced a new concept called the ‘4P’s’, which

aligns with the market’s key demanding factors: accuracy and long-lasting repeatability, reliability, reduction in cycle time, low cost per component, and high productivity. This concept emphasizes the importance of precision, performance, and productivity in achieving prosperity for the company’s customers. LMW firmly believes in delivering prosperity by providing top-quality products and innovative solutions that meet these criteria.

The company’s core values have led it to export to countries including the UAE, Qatar, Oman, Saudi Arabia, Vietnam, Turkey, and Poland, catering to segments including Oil & Gas, General Engineering, Pumps & Valves, and Agri equipment. “We are further expanding our export market to Europe, North America, and South America, focusing on the segments like Auto Components, Aerospace, and Medical Equipment,” concludes Bhattacharya. SD

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

ROTARY TABLES

TURNING THE TABLES

FIBRO India is celebrating its 15th year of thriving operations in India. Find out what FIBRO India is showcasing at ACMEE 2023.

Source: Magic Wand Media



Ramakrishna Edara, General Manager Marketing, BD & IT Solutions, FIBRO India Precision Products Pvt Ltd, shares that the customers' expectations from FIBRO India have increased and they will certainly not let them down. The company has brought its latest


innovations to start with, which include a wide range of Rotary tables and Wireless Pressure monitoring (WPM) systems for Gas springs used in press tools. "In addition, we are introducing the largest size Aerial Cam unit and Punches in Standard Parts," he adds.

"At FIBRO India, we have established a comprehensive infrastructure that covers sourcing, engineering, development, and manufacturing to meet global requirements."

RAMAKRISHNA EDARA
General Manager Marketing
BD & IT Solutions
FIBRO India Precision
Products Pvt Ltd

Plans in the pipeline

Currently, 45 percent of the total production at FIBRO India is exported to markets outside of India. "We are committed to continuously expanding our product offerings in both the standard parts and rotary tables segments to cater to global markets."

With the establishment of the design center at FIBRO India, the company has streamlined the process of customizing products to meet the specific requirements of individual customers. 

As an exhibitor, he aims for meaningful techno-commercial discussions with discerning visitors and is keen on gaining insights into market trends and understanding customers' outlook for the upcoming year.

**FIBRO India Precision
Products Pvt Ltd**
www.fibro-india.com
Hall & Stall: B-74


INSERT MANAGEMENT SYSTEMS

THE BIGGER, THE BETTER

Designed to suit the pressing needs of CNC machine shops, IMS 2000 has enough space to hold a minimum of 2,000 inserts and a maximum of 8,000 inserts. The key features include 24X7 access, fast and accurate retrieval, and live reporting.

The IMS 2000 provides complete accountability with equal emphasis on new as well as used inserts. It can be interfaced with any ERP and has easy access to service and maintenance.

It has a wide range of add-on features that provides customers with an interface-rich library of CNC, CAD/CAM, tool life monitoring, and networking with CNC machines thus providing a complete integrated solution.

The accountability, data handling, and reporting, make IMS 2000 the perfect storage option for inserts. 



Source: Creintors Automation Solutions Pvt Ltd


Creintors Automation Solutions Pvt Ltd
www.cautomate.com
Hall & Stall: D-18

VERTICAL MACHINING CENTERS

STM'S HEAVY-DUTY MACHINING CENTER

The VL1050 Vertical Machining Center from S&T Machinery Pvt Ltd is a high-performance, high-speed, and heavy-duty machining center that delivers rigidity, performance, and quality output in all sorts of applications. Its bigger size and wide working area make it versatile for a wide variety of applications. With an exceptional combination of the Wide Casting Base, Bigger LM Roller Guideways of 3 axes, and Bigger Spindle Dia with G1 Balanced spindle, the stability and rigidity is assured.

The spindle with a G1 balance grade ensures minimal distortion and vibration, resulting in superior finished parts and extended tool life. With RPM options reaching up to 15,000, users can achieve the highest level of surface finish, reaching an impressive 0.45 Ra.

Directly coupled motors for all axes to reduce backlash, an option of belt/direct drive, chip conveyor, coolant through spindle, auto tool changer, and many more options make it versatile for machining precision and complex parts. 




Source: S&T Machinery Pvt Ltd

S&T Machinery
Hall & Stall: A-77
S&T Engineers
www.stgroup.co.in
Hall & Stall: A-62

ENGINEERING SLIDE CHARTS

LETTING IT SLIDE AWAY

Mangalmurty Techno Slides has so far prepared and served engineering slide charts on the subjects like machine shop, metal compositions, raw material sectional weights, pipe fittings, fabrication shop, gears, sprockets, timing belt pulleys, fasteners, threads, bearings, plastics, etc. Now for the facility and benefits of the users, it has very recently combined and compiled the information of over 40 - 45 engineering slide charts in the form of Mini Engineering data books. 

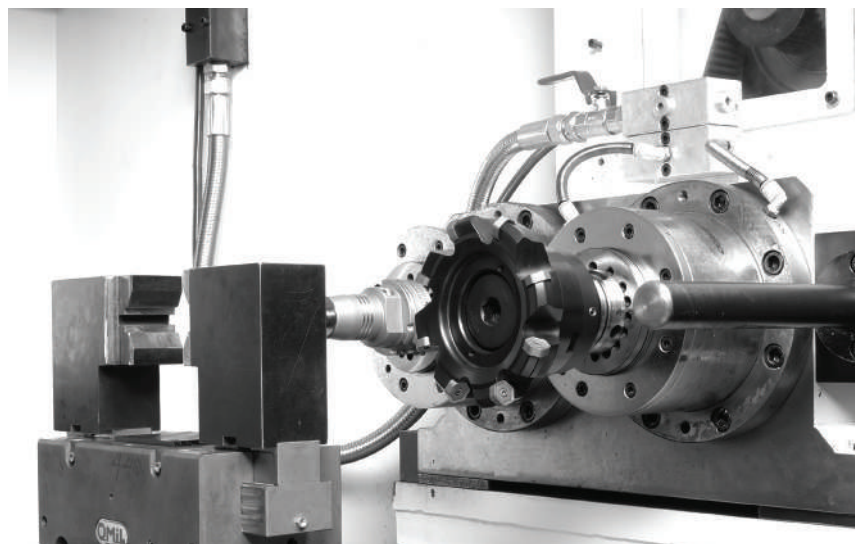
Mangalmurty Techno Slides
Hall & Stall: B-166

TURNING SOLUTIONS

We offer wide range of
Products & Solutions,
Which caters to different
industry segments



SPECIAL PURPOSE MACHINING SOLUTIONS



- Metal Working Machines
- Metal Forming Machines
- Assembly Machines
- Testing Machines
- Jigs & Fixtures
- Molding Machines
- Process Machines
- Material Handling Systems

METROLOGY

HARNESSING GROWTH OPPORTUNITIES

Source: Magic Wand Media



Carl Zeiss India, a leader in optical systems and optoelectronics, is here to make a significant impact at ACMEE 2023. With South India, particularly Bangalore and Chennai, emerging as key manufacturing hubs attracting major investments, the company aims to seize every opportunity to present its latest technological advancements to the industry.

ACMEE has established itself as a highly coveted international exhibition in South India, attracting exhibitors who are eager to present their cutting-edge technologies to the manufacturing industry, points out Manoj K Sundaram, Head – Business Development, Carl Zeiss India.

“The Aerospace sector is slowly picking up pace in the region, with Wind Energy slowly expanding its base with the existing setup. The Electronics too industry has made the region most sought-after for new investments in this sector,” he reiterates.

On the showcase

The company is showing its 2 models of CMMs, SPECTRUM Family and CONTURA, along with Surface and Form Measurement equipment. “We will be also showcasing our latest O-DETECT Optical/Vision Measuring machine for the first time in the exhibition. Along with this, will be our Microscopes for metallurgical and R&D applications and discussions around X-ray machines such as the 2D X-ray BOSELLO series for the casting industry,” shares Sundaram.

Machine tools to cater emerging sectors

Sundaram highlights key developments in the Indian machine tool industry to address the needs of the electric vehicle, defence, and aerospace sectors. The electric vehicle industry, he notes, is looking at light weighting and design conversions to Aluminum at a rapid pace. Sensor-embedded cars and ADAS-like developments are pushing tooling developments and shaping the industry to have more IoT. Robotics and Automation with higher speeds of operation are the need of the hour. “The industry now is looking for localization of its products and expanding the capacity to cater to the emerging needs. This calls for major greenfield investments and we see this happening,” he concludes.

India's Premier International Machine Tools Show

ORGANISED BY



ACMEE 2023
15th International Machine Tools Exhibition

An AIEMA Initiative
15 - 19 June 2023

Chennai Trade Centre, Chennai, India

Title Sponsor



Once in two years opportunity to Meet the World Leaders in

Machine Tools | Metal Forming
Metrology | Industrial Robotics & Automation

Special Guests of the day

Mr. R. Sundar
Asst. Vice President, Hyundai Motor India Ltd.,
Mr. Gouwri Srikanth
Head - South Sales, Hyundai Motors
Mr. K Vinod Kumar
Sr.VP, Flowserve Sanmar Pvt.Ltd.
Mr. Boobalan Aranganathan
General Manager - Operations, Hidromas
Mr. N.V. Devaraj
Vice President, Orbinox India Private Limited

for Visitor Registration



or
www.acmee.in

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Open to Business Visitors | Children below 14 years not allowed | Students will be allowed only after 3.30 pm | Timing : 9.30AM to 6.30PM

ZEISS Industrial Metrology
www.zeiss.co.in/metrology/about-us/production-sites/bangalore.html
Hall & Stall: A-115

CUTTING TOOLS

COMMITTED TO CUSTOMER ENGAGEMENT

Jyoti CNC Automation Ltd is committed to leveraging the ACMEE platform to its fullest potential, capitalizing on the trends and technologies shaping the machine tool industry, and contributing to the growth and success of its customers and the manufacturing sector as a whole.



Source: Magic Wand Media

Experience the latest
At the show, Jyoti CNC is proudly showcasing newly developed machine models, along with existing models featuring upgraded and added features. “The selection of these machine models has been carefully done to address the emerging needs of our customers in the region. They offer substantial benefits and incorporate a strong value proposition. Visitors to our exhibition will have the opportunity to visualize and experience the latest manufacturing trends, particularly Industry 4.0, which plays a vital role in embarking on the journey towards Smart Factories,” informs Sureshkumar.

In terms of meeting the right set of customers from the company’s target industries, ACMEE has consistently proven to be an agreeable platform, especially for connecting with customers from South India, particularly Tamil Nadu, shares

Sureshkumar V, Regional Head – Sales, Jyoti CNC Automation Ltd. “We anticipate the same level of enthusiasm and participation from all our target customers at ACMEE 23. Each edition of the show has witnessed growth in terms of participation and the level of technology

showcased. This facilitates diverse segments of decision-makers and personnel coming together under one roof. We aim to seize this opportunity to strengthen our business connections and forge new partnerships,” he adds.

Jyoti CNC Automation Ltd
www.jyoti.co.in
Hall & Stall: B-122

PLANETARY FINE GRINDING MACHINERY
LAPMASTER WOLTERS DSG SERIES

The Lapmaster Wolters line of dual side planetary fine grinding machinery is specially designed and built to withstand extreme conditions within a production environment while requiring minimal maintenance. These units are available with fine grinding platens from 20 in. up to 55 in. in diameter and are specially configured for each application. Depending upon the application, these machines utilize fixed abrasive diamond or CBN suspended in resin, metal, and vitrified bonds to grind a wide range of materials to very tight specifications.

The Lapmaster Wolters DSG series of twin wheel grinding machines are driven by three variable speed motors for maximum process control flexibility. All three rotating

machine components, the sun gear, top plate, and bottom plate, are independently controlled. Process down pressure requirements are pneumatically regulated and continuously monitored by a load cell.



Source: Lapmaster Wolters India Pvt Ltd

Lapmaster Wolters India Pvt Ltd
www.lapmaster-wolters.co.in
Hall & Stall: A-102

DRILL GRINDING MACHINES
FROM DULL TO DYNAMIC

The Portable Drill Bit Grinding Machine is a game-changer for professionals and enthusiasts alike, simplifying the process of sharpening drill bits while delivering precise and consistent results. Its portability, versatility, and ease of use make it an indispensable tool for anyone working with drills. Khodiyar’s grinding machine is claimed to be an ideal solution for keeping drill bits sharp and efficient.



Khodiyar Industrial Products
www.kipproducts.com
Hall & Stall: A-44 & 45

Source: Khodiyar Industrial Products

DIRECT DRIVE SPINDLES
SETCO SPINDLES INDIA NOW INTO DDS

Setco Spindles is a leader in the design and manufacture of spindles and has over the years become the preferred spindle partner for many of India’s machine tool manufacturers as well as SPM manufacturers. The company has commenced manufacturing Direct Drive Spindles at its spindle manufacturing facility located in Pune and has successfully completed stringent customer testing trials. It has now started commercial production of the 108 Model Direct Drive Spindle which is available in the rpm range of 6,000/8,000/10,000 and tool type of ISO #50 and HSK A 100 tool type. The 108 is a robust milling spindle with a bearing of 100 mm.



Source: Setco Spindles India Pvt Ltd

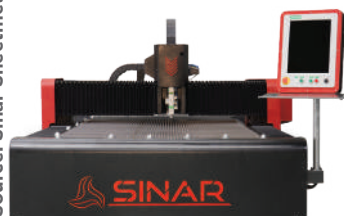
Setco Spindles India Pvt Ltd
www.setco.com
Hall & Stall: B-61


LASER CUTTING MACHINES LCM 3015 FROM SINAR

Presenting LCM 3015 (EC-O Series) Laser Cutting Machine from Sinar Sheetmetal Solutions at ACMEE 2023. This series of laser cutting machines is economical since it is without an enclosure or pallet changer.

With a working area of 3100 mm x 1550 mm, the machine has a fabricated base which is highly rigid and stress relieved. The rigidity of the base allows for combined rapid rates at 125 m/min with 1.0 G acceleration and a high positional accuracy of +/- 0.030 mm.

Input components and sub-assemblies are from world-renowned manufacturers. HIWIN-make LM Rails are for friction-free movement of slides. X & Y axes with YYC-make racks are mated to a gearbox (<5 arc-minute) with high accuracy, providing a high reduction ratio for high torque transmission. The stable and reliable autofocus laser head is from Raytools and the laser source is from Raycus. It uses the AheadTech CNC Control System, which has a user-friendly interface. The machine also boasts an ergonomic design.




To offer its customers the best service solutions, Sinar has partnered with Micromatic Machine Tools. 

Sinar Sheetmetal Solutions Pvt Ltd
www.acemicromatic.net/product_cat/laser-cutting/
www.sinarsolution.com
Hall & Stall: AMS/A-100 & A-101

CNC GEAR HOBBING MACHINES VAJRA 130 FROM UCAM

UCAM's VAJRA 130, a state-of-the-art 7-axis CNC gear hobbing machine, delivers exceptional performance, enabling the efficient production of high-precision gears across diverse industries. Equipped with Direct Drive Technology and an Electronic Gear Box (EGB), this machine offers high-speed operation and productivity.

Engineered for optimal accuracy, the VAJRA 130 ensures precision synchronization between the hob and worktable, resulting in superior production output and gear quality. Its user-friendly macros and maintenance-friendly design make it incredibly intuitive and easy to operate, significantly reducing setup time and changes.


It enables quick tool changes with the HSK Hob Clamping System and ensures zero rejections during power failures. The high cutting depth and increased machine rigidity of the VAJRA 130 further enhance its capabilities. 



Source: UCAM Pvt Ltd

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


TRANSDUCERIZED PULSE TOOLS ACCURA FT SERIES

Most manufacturing operations today cater to a high-demand market, and quick turnaround is the differentiator between competitors. Fast and accurate tightening has the power to increase efficiency and productivity for any manufacturing operation. IEC Air Tools is known as a fastening partner for all needs. The Accura FT series Transducerized Pulse Tools, in combination with the CMS FT – V2 Controller, makes the tightening process effortless. 

IEC Air Tools Pvt Ltd
www.iecairtools.com
Hall & Stall: B-58

AIR POLLUTION CONTROL AND MONITORING SOLUTIONS FOR A SAFE WORKING ENVIRONMENT

Apzem's product portfolio includes air pollution control equipment such as dust collectors, fume extractors, wet scrubbers, and VOC abatement systems. These systems are designed to capture and remove particulate matter, hazardous gases, and volatile organic compounds (VOCs) from industrial emissions. In addition to pollution control equipment, it also offers air quality audits.

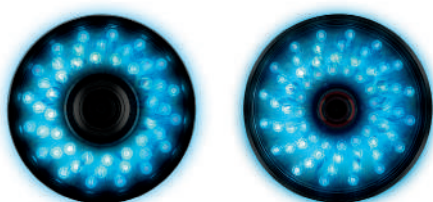
It is showcasing its newest portable dust collection system PD1210, which has powerful suction power, compact size, mobility, and low noise level. 



Source: Apzem Environmental

Apzem Environmental
www.apzem.in
Hall & Stall: B-41

ZEISS Optical Series



**Capture the world from
a different point of view**

ZEISS Optical Series

mail: info.metrology.in@zeiss.com