





#### **AIEMA** Initiative

21-25 June 2018 Chennai Trade Centre, Chennai, India

#### SHOW DAILY

Sunday, 24 June 2018





**Machining Centers** 

## **Towards an Empowered Future**

The progress of Ace Manufacturing Systems Ltd is a reflection of the overall growth of the machine tool industry, in which exhibitions such as ACMEE play a pivotal role. P Ramadas, Managing Director, Ace Manufacturing Systems, offers a positive overview on the sector that indicates to a much more promising future.

ith an immaculate expertise in the manufacturing of CNC vertical machining centers, CNC horizontal machining centers and in providing manufacturing solutions centered around these products, Ace Manufacturing Systems (AMS) Ltd has risen to be one of the largest CNC machine tool builders in India.

#### **Partners in progress**

AMS has been ACMEE's patron for the last 16 years and has been a close witness to its evolution. "Over the years I have seen it getting better and better. The exhibition has grown in every aspect - participation, number of people, business opportunities, etc.," says P Ramadas, Managing Director, Ace Manufacturing Systems Ltd.

Exhibitions such as ACMEE play a pivotal role in aiding businesses grow, leading to the overall growth of the industry. The popularity and the scale to which the expo has expanded is a testament to the flourishing of the Indian Machine Tools industry.



P Ramadas, Managing Director, Ace Manufacturing Systems Ltd, at AMS' stall at ACMEE 2018.

To be continued on 2



The Best Partner for Your Success















P Ramadas, Managing Director, Ace Manufacturing Systems, with AMS' displayed machine at ACMEE 2018

#### Continued from 1

"We have had a great performance last year. A similar growth is expected in the next four to five years. If the support from the central government continues the same way, the machine tool industry will lead the manufacturing segment in India," says Ramadas who is also the President

of Indian Machine Tool Manufacturers' Association (IMTMA), the apex industry body for the Machine Tool sector in India

He helps us with statistics to get a clear overview on the industry: "We are very bullish. We were number 12 in 2016 in Machine Tools in the world. Last year, we have moved up to become number 10 in the machine tool production. Consumption wise we are number 8 in the world. We can be number 8 in production in the next four years, which will be a big leap. It will double up our production. Now, we have a turnover of \$1.1 million in the machine tool in the country. It will grow to \$2 million. Metal Cutting is very big and the main market for growth will be the auto industry, aerospace, engineering and mainly export. The 'Make in India' has also given a boost to the industry."

#### AMS's growth story

Established in 1994, the company has been constantly making headways in the machine tool sector. It's one of the most preferred names in the automotive industry today. Its products are used to produce critical parts for passenger vehicles, commercial vehicles, two wheelers, three wheelers, and farm equipment. AMS' machining centers also find applications in the die & mould making industry, and other growing markets of India such as aerospace component manufacturing, and medical and dental equipment manufacturing.

It also caters to the needs of the engineering industry including power & energy sector, oil & gas equipment manufacturing, pumps, motors & hydraulic systems, defence and other government sectors. The highly productive drill tap machining centers are found to be highly suitable for the electronics industry such as the mobile phone and accessories market.

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AMS offers versatile products for diverse applications, ensuring its customers are catered with unique solutions for every machining needs. Last year, AMS witnessed a huge surge in demand for machine tools including horizontal machining centers (HMCs). To fulfill the demand, AMS opened an additional facility that led to the increase in the production capacity from 1,200 to 3,000 CNC machining centers per annum, thus making it the largest facility in India for machining centers. The company is now working towards its vision to produce 10,000 and then to 30,000 machines per year. "We are already flooded with orders and there is a good order flow," states Ramadas which attests his claim of a positive present leaping towards an even brighter future.

**Ace Manufacturing Systems Ltd Hall & Stall: A - 100** www.amsl.in

#### Flexing arms at ACMEE

AMS is showcasing its newest offerings at ACMEE. Some of which are DTC-400 XL-L High Speed Drill Tap Center, 1060V Vertical Machining Center and ACER-50.

#### DTC-400 XL-L High Speed **Drill Tap Center**

- High Speed Drill Tap center with maximized cutting time
- · 16 tool Pocket tilting type front mounted ATC
- Chip to Chip time of 1.8 sec
- 48 / 48 / 40 m/min rapid rate for X/Y/Z axes
- · High spindle speed of 10,000 or 12,000 rpm with direct drive spindle

#### **1060V Vertical Machining Center**

- High performance and compact
- Front chip disposal system
- Versatile machine configuration suitable for varied applications
- LM guideways for all 3 axes
- 24 tool ATC
- 32 / 32 / 24 m/min rapid rate for X/Y/Z axes
- Siemens controller with Spindle power of 9 / 13.5 kW

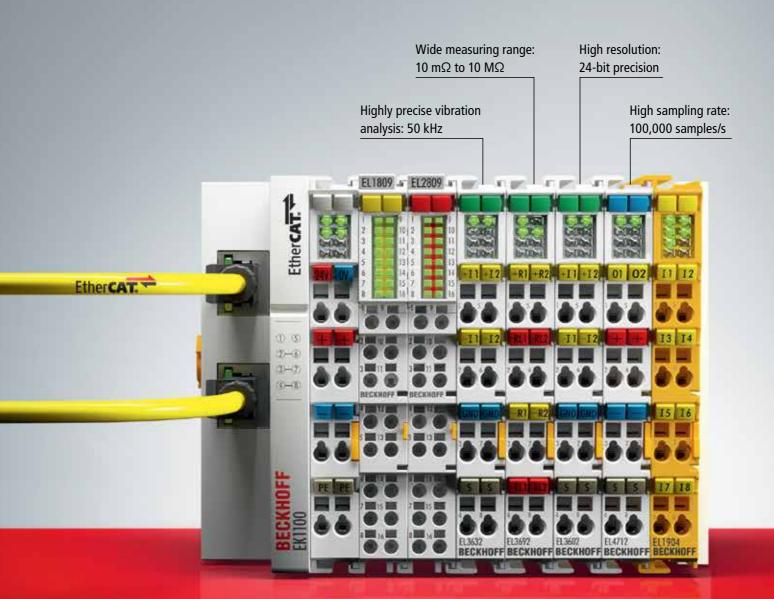
#### **ACER-50 Vertical Machining Center**

- · High performance and cost effective BT-50 model
- High spindle power of 18.5 / 15 kW
- Suitable for heavy machining
- Rapid traverse of 40 / 40 / 24 m/min





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Beckhoff Automation Pvt. Ltd. Pune - 411 006, India Phone: +912040004800 info@beckhoff.co.in





**Press Tools and Moulds Accessories** 

## Keeping up with the Ever-Changing Tech World

For Dipesh S Jaju of Pawan International, participating in exhibitions is the best way to witness the dynamic global technology scene. The company is here for just that as well as to showcase some of its own innovations.

fter achieving a significant success through the ACMEE platform in its previous edition, Pawan International is back this year with a set of expectations that it already sees getting fulfilled.

The company is focusing on Chennai as the potential market for its products and is highly optimistic regarding the response it will garner this year. "The overwhelming response we received in the previous edition brings us back to ACMEE 2018. This time, we are displaying our products and are expecting a great footfall," shares Dipesh S Jaju, Partner (Technical Head), Pawan International.

The Pawan Group provides an entire technical solution for standard elements used in sheet metal press tools and plastic injection moulds. It manufactures and also supplies to cover a total range of elements and accessories under one roof.

#### A platform for global trends

Jaju is keen to explore the current trends in machining technology and the latest ways of manufacturing engineering products at ACMEE 2018. "Technology is always changing and what is the best way to observe what is happening in the global scene other than exhibitions," he says.

Pawan International is displaying Press tools and Moulds standard accessories and N - Force Gas



Our products majorly are made for press tools and moulds. Thus, our major target audience are tool and die manufacturers and auto ancillary companies.

> Dipesh S Jaju Partner (Technical Head) Pawan International

Spring manufactured by the Pawan Group in India. "Our products majorly are made for press tool and moulds. Thus, our major target audience are tool and die manufacturers and auto

ancillary companies," he informs summing up.

Pawan International Hall & Stall: D - 23 www.pawangroup.co.in

#### **BOOK SPACE IN SHOWDAILY @ACMEE 2018**

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**Cutting Oils** 

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KLUTHE Advanced Surfactant Technology creates stable micro emulsions and enables the action of multi-functional power surfactants (combination of non-ionic and cationic surfactants) to deterge matters like chips and burrs at a faster pace and lower carryover losses. KLUTHE BIOLIT® Technology releases active Buffer Biostability ingredients continually at a low concentration to the water-based cooling lubricants, producing sterile solutions and emulsions with a long sump life.

Zavenir Daubert India Pvt Ltd Hall & Stall: C – 71 www.zavenir.com



HAKUFORM water soluble cutting oils with KLUTHE Advanced Surfactant Technology that creates stable micro emulsions.

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# Podcast with Quality Magazine: Wireless Gaging

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expensive power hungry add-on transmitters that can make gages bulky and interfere with portability, saving hundreds of dollars compared to "add-on" wireless transmitter based systems.

Wireless data transmitters are built in; no interface boxes or additional batteries are required. Integrating the transmitters into the gage electronics makes the units extremely energy efficient and can extend battery life up to 50% longer than competitive systems.

Recently, measurement technology in manufacturing environments has taken a leap forward. Just as cell phones and integrated wireless computer peripherals have become common, integrated wireless technology is moving onto the shop floor. Integrated wireless in digital calipers and indicators offers users substantial benefits over cabled or add-on wireless transmitter devices.

Wireless data transmission is integrated within Mahr's MarCal<sup>™</sup> digital calipers and MarCator<sup>™</sup> digital indicators using proven wireless technology. Low power transmitters eliminate



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**CNC Lathes & Turning Centers** 

## **Raising the Bar**

Gedee Weiler is back at ACMEE 2018 with its newest offerings to leverage the opportunities presented by the show and make the most of bullish market condition.

ith the presence of major automobile and auto component manufacturers from across the globe, the Chennai market today is probably the largest consumer of not only machine tools in India but even electronic hardware, energy equipment parts, and general engineering. "This encourages manufacturers to bring in their latest stateof-the-art products and technologies to ACMEE," says K Ganapathi Subramanian, Vice President - Marketing & Sales. Gedee Weiler Pvt Ltd.

"It is pertinent for manufacturers to participate in local exhibitions as each area has a specific industry which has specific needs. With new products and technologies being developed in quick succession by manufacturers. shows like ACMEE provide a perfect platform to showcase exacting solutions and the latest products relevant to a particular market," he adds.

With considerable visitors from multinational companies established in and around Chennai, the participation from global machine tool, automation, metrology and CAD/CAM players have increased considerably.

When asked the reason for never missing participating in ACMEE, Subramanian says, "The response we receive at ACMEE for our innovative products and the requirements we get from our customers become the impetus for our R&D initiatives and plans for new product development."



Gedee Weiler offers a range of turning solutions for small and medium parts, calling for high precision and mass production. At the show, it is displaying

> some of its latest offerings like Flex Turn with Automation, Uniturn 300HD TM with Live tool turret. Lean Turn with special hydraulic tool heads and high precision manual lathe.

"Bearing races; valve rings; seats; valve qui-



>> With market conditions being bullish, we expect to close in a good number of orders as well generate considerable business opportunities at the show.≪

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K Ganapathi Subramanian Vice President - Marketing & Sales **Gedee Weiler Pvt Ltd** 

des: engine valves: synchro rings: fastener parts like nuts, small bolts, shock absorber tubes, front fork tubes; fuel injection parts like nozzle body, injector body, gear blanks etc. are some of the applications from auto component industry for which our Lean Turn and Flex Turn with Automation are best suited." shares Subramanian.

The company's lean turn machines cater to General Engineering industry for bushes for pumps, pipe fittings of brass and other materials, round brass parts from sanitary fittings applications, and surgical screws.

Uniturn 300HD is ideally suited for medium-sized parts from transmission parts like drive shafts, lay shafts, input shafts, boss rotors etc. and many more chucking parts. Uniturn 300HD TM machine is well-suited for applications like round parts with PCD holes, shafts with radial drill/tap holes and keyways.

Its conventional machines find extensive application in tool rooms and educational institutions.

#### **Advantage ACMEE**

Subramanian is quite optimistic for ACMEE 2018: "With market conditions being bullish, we expect to close in good number of orders as well generate considerable business opportunities at the show." The company is in the process of strengthening its sales and service network with which it plans to systematically follow up the leads and provide exacting solutions to the customers. It has recently set up a Technical Center in its plant and depending on requirements, it plans to conduct demos and trials to its prospective customers, which can convince them of the suitability of its proposals

Geedee Weiler Pvt Ltd Hall & Stall: A - 105 www.gdweiler.com



FLEXTURN NEO-TWIN

**Tool Storage and Transport Solutions** 

## **Safety First**

SCHUNK's tool cart aims to minimize the risk of injury when handling and storing tools outside of the machine.

ccording to its motto - From practice for practice - SCHUNK, the competence leader for gripping systems and clamping technology, has developed a compact tool cart for up to 156 tool mountings that provides the best protection against cuts in everyday operation as additional storage for the machine due to its trademarked push-fit system. "The tool cart is the result of an internal continual improvement process at the SCHUNK competence center for lathe chucks and stationary workholding in Mengen," explains Markus Michelberger, Head of Sales Workholding Systems at Heinz-Dieter SCHUNK GmbH & Co. Spanntechnik KG.

The catalyst for this development was a typical occupational accident in the metal cutting - when removing a tool from the customary shelving system, a machine operator cut their forearm on the edge of a neighboring tool. As part of the process of continuous improvement, a research project was started with the aim of minimizing the risk of injury when handling and storing tools outside of the machine.

#### Free access to tools

The carts made such an impression when put into practice that SCHUNK has now equipped every machine at the Mengen plant with an efficient, mobile storage rack. "Since customers always ask us about the tool carts during plant visits, we have decided to add these to our standard program," reports Michelberger. The stainless steel push-fit system of the SCHUNK tool cart is designed in a way that the sharp cutting edges are always angled away from the machine operator while it is still possible to get safe access to the tool taper. Because there are gaps for the slots on the opposite side, the toolholder mountings with long tools can also be stored and accessed. The cart is delivered completely pre-assembled and is fitted with industrial rollers and handles for moving safely between tool presetting and the machine. It is



The compact SCHUNK tool cart offers space for up to 156 tool mountings.

available in two sizes and can be custom fitted with slots for interfaces BT 30, 40 and 50, SK/CAT 40, 50, CAPTO C6, HSK-A 40. 63 and 100. A drain pan for coolant is available as an option.

**SCHUNK Intec India Pvt Ltd** Hall & Stall: A - 75 www.in.schunk.com







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**JUNE 21-25 JUNE 2018 AT CHENNAI TRADE CENTRE** 





## Visitors' Views











#### **Amplified** Growth

>> This edition of ACMEE is much bigger and more visitor-friendly than the previous ones. I observe a threefold growth in the size of the exhibition as compared to the last one. Endeavours like ACMEE can propel the Indian Machine Tools sector into the forefront of the global market.≪

**Lokesh Nathany Managing Director Shri Plasto Packers Pvt Ltd** 

#### **Amazing Experience**

As a technology enthusiast, ACMEE has provided a unique platform for me to sate my thirst for information. The new developments in the Automation and Robotics sectors are very interesting. As a first timer at ACMEE. this was an amazing experience for me.

S Senthil Kumar **Senior Engineer -QE - Heat Treatment** India Yamaha Motor Pvt Ltd

#### **Easily Available Information**

>> ACMEE has helped me update my knowledge on optimizing the inspection process. I also enjoyed going through the latest models of grinding machines and VMCs exhibited.

✓

J Vinoth Executive - QE - G&A **Machine Shop** India Yamaha Motor Pvt Ltd

#### **Pleasant Visitor Experience**

>> When compared to the previous editions, ACMEE 2018 is quite bigger in the number of stalls and also in the free space for the visitors to move through the halls. The increase in the number of stalls also makes for an amazing visitor experience.«

> Jitendra Malsaria Area Manager (South) **Lubi Electronics**

#### **Opportunity** to Meet World Leaders

>> I read about ACMEE in a newspaper and was immediately interested in attending it. So far, It has delivered on the promise of showcasing world leaders in the Machine Tools sector. All-in-all it has been an awesome expo.≪

> A Hussain Khamil **Project Engineer HK Trading & Industrial Solutions**

## Taiwan Pavilion



To help promote foreign trade, the Taiwan External Trade Development Council (TAITRA) has facilitated the visit of 13 Taiwanese companies to ACMEE 2018. The participating companies seek to leverage the opportunities offered by the Indian market. Following are the companies from Taiwan showcasing their offerings:

Airboss Air Tools Co. Ltd - Air Impact Wrenches, Air Angle Grinders, Air Straight Grinders, Air Die Grinders, Air Micro Die Grinders, Air Turbolap, Air Drills, Air Sanders, Air Ratchet Wrenches Hall & Stall: B104

Anlidar Industrial Co. Ltd - Electric Screwdrivers Hall & Stall: B49

Chain-Headway Machine Tools Co. Ltd - Tool Holders, Cutting Tools, High Precision Inserts, Aid Tools Hall & Stall: B112

Chu Weir Technology Co. Ltd - Solid Carbide Cutting Tools, End Mills, Reamers, Drills Hall & Stall: B47

Cosen Mechatronics Co. Ltd – Band Saw Machines Hall & Stall: B105

**Echaintool Industry Co. Ltd** – Cutting Tools for Metalworking Hall & Stall: B114

Fitop Machinery Co. Ltd – Electric Hoists Hall & Stall: B109

Hann Kuen Machinery & Hardware Co. Ltd - Drilling Spindles, Tapping Spindles, Boring/Milling Spindles, Servo facing Spindle Units, Servo and Hydraulic Slide Units Hall & Stall: B107

Honor Seiki Co. Ltd - CNC Vertical Lathes, CNC Vertical **Turning Centers** Hall & Stall: B46

Illinois Enterprises Co. – Hand Trucks Hall & Stall: B103

Kolowa Ventilation Co. Ltd - Fans. Cooling Fans. Roof Ventilators, Movable Fans, Factory Ventilation and Cooling Systems Hall & Stall: B48

Shan Hua Plastic Industrial Co. Ltd - Pu Tubing, Nylon Air Brake Tubing, Pe Tubing, Anti-Spark Dual Layer Tubing, Paint Hoses, Reinforced Pu Air Hoses, Coiled Tubing, Articulated Vehicle Brake Coils Hall & Stall: B50

Yih Troun Enterprise Co. Ltd - Ufo Family, Saw Blades, Center Drills Hall & Stall: B2

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**Vignesh Collaboration** 

## Vignesh Machine Tools ties up with YASKAWA Robots

ignesh Machine Tools (VMT) is a 20 year old company dealing in CNC Machine Tools. The company has now tied up with Japanese YASKAWA Robots to offer turnkey projects with Lokesh Machines which are on display at ACMEE 2018. The YASKAWA Robots can handle high-speed Vertical Machining Centers (VMCs) and CNC Lathes.

Vignesh Machine Tools Hall & Stall: A – 106 www.vigneshmachinetools.com



**Finishing Machines** 

# **Tube Polishing Machine from Grind Master**

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rind Master offers automatic centerless belt grinding & finishing machines for belt grinding, bright finishing and satin finishing of round tubes and pipes. The machine has very easy settings to ensure quick changeover from one job size to another. The floating belt grinding heads are specially designed to take care of bend and ovality in tubes. Up to 10 heads are offered. Automatic loader / unloader is offered as optional. Machines are designed for dry grinding as well as wet finishing.

A wide range of consumables like abrasive belts, flap wheels, non-woven wheels, sisal and cotton buffs can be used in predetermined sequence for achieving the desired finish economically. Tube up to 220 mm diameter can be finished. Machine can be offered with auto tube size setting which requires only 2 to 5 min. for setting the machine.

Grind Master Machines Pvt Ltd Hall & Stall: B – 125 www.grindmaster.co.in



Source: Grind Master Machines Pvt Ltd



**VIGNESH MACHINE TOOLS** 

### **VIGNESH MACHINE TOOLS**

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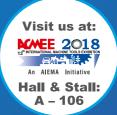
















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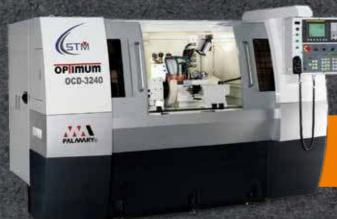




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**HALL A - STALL A61**