

CHENNAI  
**MACHINE  
TOOL EXPO**™  
2019  
26 - 29 September 2019  
Chennai Trade Centre, Chennai

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Indian Machine Tool  
Manufacturers' Association

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## Powering Through

# CMTX 2019: Spreading Wings

Indian Machine Tool Manufacturers' Association's endeavour to reach the lesser-connected cities through its regional trade shows has been immensely successful. Taking it up a notch, the Chennai Machine Tool Expo (CMTX) has been organized to help gather the local manufacturing players from the Tier 2, 3, 4 cities around Chennai and connect them with those hailing from other parts of the country.

suppliers from tier 2 and 3 cities around Chennai cannot make it to shows taking place in Bangalore due to cost constraints."

On choosing Chennai as venue for the show, Anbu said, "Chennai is a major automotive and engineering hub, and the expo is poised to attract visitors from Tamil Nadu and South India. CMTX will also add immense value to SMEs which are the backbone of manufacturing in terms of productivity, reliability, and cost competitiveness."

Ram also expressed his delight on the future capabilities the manufacturers have exhibited at CMTX 2019, "This is important since the evolution and growth of the industry depends on the capability building," he stressed.



From L-R: Srivats Ram, Managing Director, Wheels India Ltd; Indradev Babu, President, IMTMA and V Anbu, Director General & CEO, IMTMA during the CMTX opening ceremony.

Organized for the first time, CMTX 2019 kickstarted yesterday with the traditional inauguration ceremony graced by the Chief Guest, Srivats Ram, Managing Director, Wheels India Ltd. Also present were Indradev Babu, President, IMTMA; V Anbu, Director General & CEO, IMTMA and other eminent dignitaries from the industry.

### Focussing on the bright side

The leaders highlighted the current headwinds the industry is facing and deliberated on the ways to remain unfazed. Ram proffered hope for the coming days and offered suggestions to the machine tools manufacturers, "The industry must follow the benchmark capabilities of global manufacturers. Emulating their capabilities and standards will increase your scope. It's a cyclical industry, and hence the current situation will change."

"Automation is the area where people will invest in the coming days. This is the period when you must focus on building that capability so that if not in terms of volume, but in terms of capability you can reach the global customers," he further added.

Babu pointed out to the consistent efforts by the industry, "The Indian Machine Tools industry has been addressing the technological requirements of the Automotive sector. It is focusing on new product development, design, innovation and research. I am glad to inform you that the Advanced Manufacturing Technology Development Centre (AMTDC), jointly set up by IMTMA and the Department of Heavy Industries, GoI, at IIT Madras, is developing new technologies for the manufacturing industry. It is a matter of pride that the Auto Industry from Tamil Nadu has been using that Centre to improve their manufacturing processes."

### Going regional

Speaking on the importance of the regional trade shows, Ram stated, "Chennai is a big market for the machine tools. Hence, it is important for IMTMA to organize such a regional show here as it helps reach a wider audience. Most

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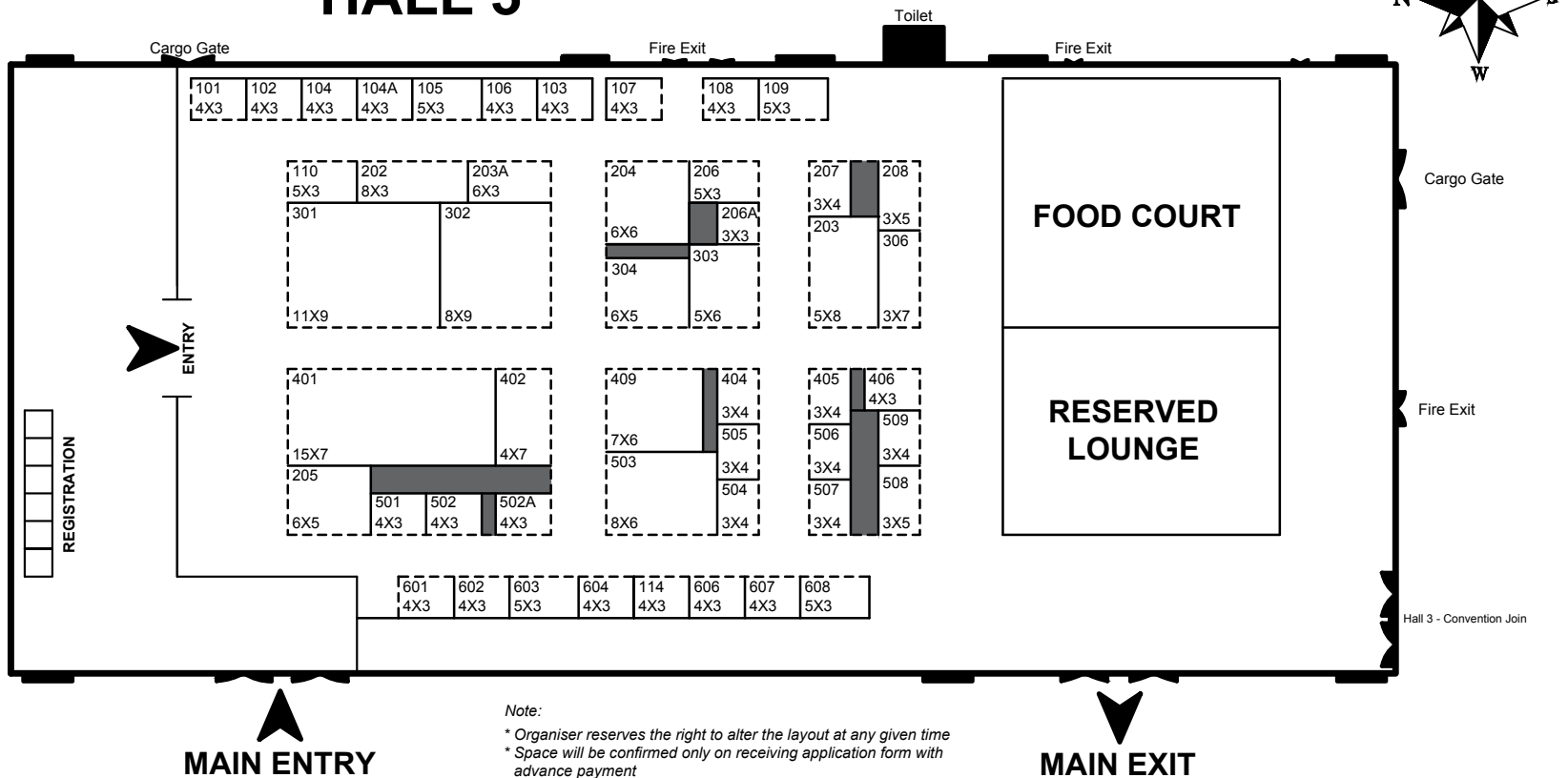
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## Floor Plan

## HALL 3



## Exhibitor list

Company Name	Stall No
RAJAMANE INDUSTRIES	101
SETCO SPINDLES INDIA	102
VLOGIX TECH	103
KABELSCHLEPP INDIA	104
RINGSPANN	104A
NRB-IBC BEARING	105
EASTMAN	106
UNITY GAUGES	107
XTREME COOLER	108
SEALANT ENTERPRISES	109
ECOCLEAN MACHINES	110
DOSATRON INTERNATIONAL	114
PMT MACHINES	202
MTAB INDIA	203
RIYA ELECTRODS	203A
ACCURATE GAUGING	204
EPSON INDIA	205
IMTMA	206
CAPITAL GOODS SKILL COUNCIL	206A
BATLIBOI LTD	301
UCAM	302
NEWTECH	303
ANAND ENGINEERS	304
DE NEERS	306
MICROMATIC MACHINE TOOLS	401
SMW	402
MILLENNIA TECHNOLOGIES	404
MOGORA COSMIC	405
PRAKASH MACHINE	406
MEIBAN ENGINEERING	409
ITL INDUSTRIES	501
NISHA ENGINEERING	502
ZENTRON LABS	502A
INNOVATIVE CONCEPTS	503
RAVISON'S CORPORATION	504
FARO	505
ABV ENGINEERS	506
MDL VISHAL INDIA	507
DYNASCAN INSPECTION	601
FERRO FOUNDRIES	602
BIRLA PRECISION	603
MACROCUT SOLUTIONS	604
DEVSON	606
GISHNU	607
NEELKANT POWER	608

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## Industrial Parts Cleaning

# Keeping it Clean and Bright

Ecoclean India has had a special connection with the Southern part of India. The company is keen to take this relationship further by participating in CMTX 2019.

The South Indian market has been key to Ecoclean's growth in India. "By participating in CMTX, our goal is to reach out to the new industry segments with the state-of-the-art component cleaning technologies. This will also help us in networking with our existing customers and new prospects and better understand the current market sentiments," shares Manoj Velhal, Asst. General Manager, Ecoclean Machines Pvt Ltd.



Source: Ecoclean Machines Pvt Ltd

### Virtual displays

Rather than physically displaying the company's wide array of machines at the booth at the event, Ecoclean is relying more on the graphical representation of them with the help of the latest technologies in animation and videography. "This way, we would be able to demonstrate our wide variety of core technologies like aqueous- and solvent- based Ultrasonic cleaning machines as well as innovative concepts like cleaning with laser, plasma and dry air to name a few. However, the highlight for us will be the ultra-fast particle scanner used in cleanliness analysis," informs Velhal.

Apart from Automotive OEMs and their suppliers, the company is expecting that influencers from different industry segments like Aerospace, Medical instruments and implants, Power Electronics, Additive Manufacturing etc. to visit its booth at CMTX 2019.



Source: Magic Wand Media

Ecoclean Machines Pvt Ltd  
www.ecoclean-group.net  
Hall & Stall: 3 / 110

"We look at the current slowdown as a short-term market correction and remain positive about the long-term outlook. We want to utilise this time to introduce pathbreaking and innovative cleaning technologies to the Indian market."

**Manoj Velhal**  
Asst. General Manager  
Ecoclean Machines Pvt Ltd

### Positive outlook

Velhal holds a highly positive take on the ongoing industrial slowdown. "We look at this slowdown as a short-term market correction and remain positive about the long-term outlook. We want to utilise this time not only to introduce pathbreaking and innovative cleaning technologies to the Indian market especially for new emission and e-mobility requirements, but also to invest in the next-level employee development. By virtue of its dynamic global innovation centre in Germany and a deep understanding of the Indian component cleaning market, Ecoclean is well-placed to handle the current slowdown," he adds summing up.

## Chip Conveyors

# Reaching Out

Eastman Impex, a leader in engineering goods, is at CMTX 2019 with the aim to scale up higher.



"CMTX is a platform which can provide boost to our business. Our agenda at CMTX 2019 is to connect with our prospects from the auto and machine tool industries."

**Yateesh Kumar**  
Senior GM - Operation  
Eastman Impex

Eastman Impex group is the leading supplier of precision Forged, Pressed Steel / Fabricated and Casted components with a group turnover of US\$65 million. Originating as a small manufacturing facility in Ludhiana (India) in 1996, it now comprises three manufacturing facilities that operate in diverse fields like automotive, railways, bearing and construction industry components. Underlying the success of the group is an ethos of commitment to quality, service and reliability. Continuous innovation and close customer interaction have enabled the group to be at the forefront in the engineering industry.

### Displaying strengths



Source: Eastman Impex

The group is to showcase its chip conveyors for all kinds of CNCs, VMCs, HMCs and for special applications. "CMTX, with its reach, can provide boost to our chip conveyor business. We look forward to connect with our prospects from the auto and machine tool industries," shares Yateesh Kumar, Senior GM - Operation, Eastman Impex.

Eastman Impex  
www.eastmanimpex.com  
Hall & Stall: 3 / 106



Source: UCAM Pvt Ltd

UCAM Pvt Ltd  
www.ucamind.com  
Hall & Stall: 3 / 302

## CNC Rotary Tables

# CNC Tilting Rotary Tables

The CNC Rotary Tilting table from UCAM is a precision work positioning device used in metal cutting.

UCAM's CNC Rotary Tilting Tables form the 4<sup>th</sup> and 5<sup>th</sup> axis of the machining centers. If interpolated with the machine's 3 axis, the tool can machine the curves which one cannot think of with 3-axis or even 4-axis machining centers. A tool can easily reach to complex compound angles on the component using a Tilting Rotary Table. Tilting Rotary Tables are available in various sizes: 150 dia, 200 dia, 250 dia & 320 dia. 150 dia Tilting Rotary table can fit into Drill Tap Center and small Machining Centers. 320 dia Deep Tilting Table is suitable for applications where larger swing for rotary and tilt axis is required. Larger swing is available up to 700 mm. Tilting angle range is available in +/- 110°. UCAM Rotary Tables are available in various sizes depending upon the application. Sizes range from 150 dia to 800 dia for horizontal and vertical application, and bigger sizes up to 2,500 sq in horizontal mounting application are available as standard catalogue products.



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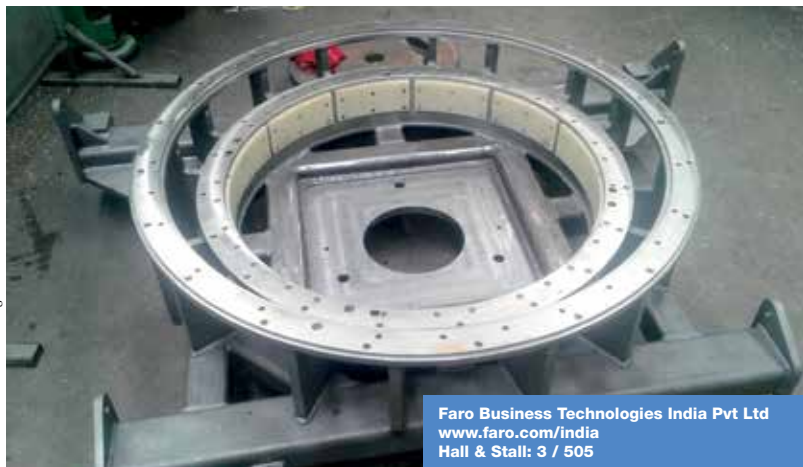
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## Factory Metrology

# Accuracy is Crucial

FARO's measurement solutions – Platinum FaroArm, the FARO Laser Tracker ION and Quantum<sup>M</sup> FaroArm – provided Jendamark Techcellency with support throughout pre-production, production, and post-production processes, eliminating concerns about human error and lengthy measurement times and increasing process efficiency and precision of its products.



Faro Business Technologies India Pvt Ltd  
www.faro.com/india  
Hall & Stall: 3 / 505

Jendamark Techcellency Automation (I) Pvt Ltd is a leading manufacturer that offers automation systems, aerospace tooling, pallets for engine assembly, and sub-assembly fixtures and tables that require high levels of precision and accuracy. It boasts a state-of-the-art manufacturing unit that is well-equipped with both conventional and high-technology equipment.

### Innovation on offer

In the past, Jendamark Techcellency would outsource metrology processes in areas such as alignment, calibration, and inspection. An external service provider would be engaged to support product quality control and validation of products. However, with the increasing volume of production, the service

providers could no longer support its production needs. Previously, traditional hand tools — such as Vernier calipers, height gauges, and tape measures — and fixed coordinate measurement machines (CMMs) were used to carry out metrology tasks at the company. Due to the nature of this manual work, the company often grappled with time management issues and could not complete projects in a timely manner.

Sunil Megade, Plant Head, Jendamark Techcellency, shared, "The conventional measurement methods were time-consuming and unable to provide the accuracy we needed for our products. Careful measurements need to be implemented at every stage, whether for inspection, calibration, or alignment, to ensure that the quality of our products meet international standards."

### Streamlining processes

Having heard about the benefits of FARO's portable CMMs from its service

providers, Jendamark Techcellency decided to invest in an 8-ft Platinum FaroArm in a bid to find a better solution for its metrology needs. A portable CMM, like the FaroArm, provides mobility — so operators can deploy a solution wherever there is a need. It is also cost-effective when compared to fixed CMMs. Jendamark Techcellency's operators no longer worry about moving a bulky, heavy object, which can be as heavy as 2 tons, into a measuring room. In addition, measurements taken with the FaroArm are much more precise and accurate than those obtained using conventional methods.

FARO's measurement solutions provided Jendamark Techcellency with support throughout pre-production, production, and post-production processes, eliminating concerns about human error and lengthy measurement times. The company was then better able to increase process efficiency without compromising on the quality and precision of its products.

**Problem:** Jendamark Techcellency's conventional measurement methods, traditional hand tools such as Vernier calipers, height gauges, and tape measures, and fixed coordinate measurement machines (CMMs) were time-consuming and unable to provide the accuracy needed for inspection, calibration, and alignment in its products.

**Solution:** FARO's measurement solutions – Platinum FaroArm, the FARO Laser Tracker ION and Quantum<sup>M</sup> FaroArm. The 8-ft Platinum FaroArm is a portable CMM that can be deployed wherever there is a need. It is also cost-effective when compared to fixed CMMs. The FARO Laser Tracker ION, a state-of-the-art interferometer-based measurement system, allows the company to inspect large parts, up to 6m long and up to 2 tons in weight, in both the automation and aerospace products with the highest precision due to its accuracy level of up to 0.015mm. The Quantum<sup>M</sup> FaroArm is certified against ISO 10360-12:2016 and ensures maximum measurement consistency and reliability in all of Jendamark Techcellency's applications.

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## Visitors' Views



Source: Magic Wand Media

"I have been part of as many as 12 IMTEX shows organized by IMTMA. This is the Association's maiden Show in Chennai, which is highly commendable. People come to trade fairs to interact with the vendors, explore new technologies and acquire the machine tools that serve their purposes. Hence, many end-users from Chennai and places around who do not travel far to visit machine tools exhibitions will benefit from CMTX. It is a great start and must grow in future."

Mohanavelu A  
General Manager  
Deva Preservation Services India Pvt Ltd



Source: Magic Wand Media

"I am a machinery consultant, and my job involves suggesting new machinery to my clients looking for modernizing their workshops. It has been worthwhile visiting CMTX 2019. Such an exhibition at the heart of Chennai makes it easy for us to know the suppliers and interact with them. They can take note of our challenges and develop the machinery accordingly to support us. We welcome IMTMA's maiden effort in Chennai."

T Dharmarajan  
Machinery Consultant  
Perembur