

26 - 29 September 2019
Chennai Trade Centre, Chennai

Published by



Indian Machine Tool
Manufacturers' Association

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Empowering Industry

CMTX 2019: Providing Right Tools to Grow

Organized for the first time, the Chennai Machine Tool Expo (CMTX), being held from September 26 – 29, 2019 at Chennai Trade Centre, Chennai, is an initiative of Indian Machine Tool Manufacturers' Association (IMTMA) to bring technologies to the doorsteps of small and medium enterprises situated in and around the city and other prominent cities in Tamil Nadu.



Source: Magic Hand Media

Regional machine tool expos organized by IMTMA have always created a win-win situation for machine tool builders. Earlier small and medium enterprises located in far flung regions of India were often disconnected with the advancements in technologies due to numerous reasons. Now with IMTMA bringing the technologies and innovations to the doorsteps of regional industries, consumers in Tier 2, Tier 3 and Tier 4 cities are also using modern technologies like their Tier 1 counterparts. IMTMA, by connecting the manufacturers in these cities, has successfully bridged the gap between Tier 1 and other cities.

Making connections

Engaging with Tier 2 and Tier 3 cities and even Tier 4 ones can be a good idea for a relatively cost-effective labour and service cost as well as purchase of real estate at affordable prices. Tapping these cities will pay rich dividends for the manufacturing industry as they are becoming favourable business destinations. This is so as most of these

cities have several industrial clusters and are governed by business-friendly administrations and are well connected to major economic hubs. Some of the cities have developed or are developing the infrastructure to support large-scale economic activities. Companies having resources can grow their business independently in these cities. They can set up the basic infrastructure and logistics, train local labour in fundamental tasks, and create a well-developed business ecosystem.

Boost to industries

Speaking about the potential for manufacturing, Indradev Babu, President, IMTMA, said that organizing shows in different regions enhances the potential of various industries situated in the vicinity of the city where the show is organized. For example, a manufacturer based in Coimbatore will find it easy to attend a show in Chennai and connect with the business fraternity coming to the city. He can move his goods easily through road or rail network overnight. Agreeing to Babu's views, V Anbu,



Source: IMTMA

“Organizing shows in different regions enhances the potential of various industries situated in the vicinity of the city where the show is organized.”

Indradev Babu
President
IMTMA

Director General & CEO, IMTMA, said that the Government of India and the Government of Tamil Nadu are doing a commendable job with their strong support to city administrations to upgrade the infrastructure such as airports and railway stations, road networks, and special economic zones. As improvement happens over a period of time, these cities will turn into innovation centres which will bode well for manufacturing.

Weathering highs and lows

It is to be noted that IMTMA is organizing the expo at a time when the machine tool industry is facing some headwinds with the disruptions in the auto sector, a major consumer of machine tools. The current phase, though a challenging one, is seen to be a transition phase and the industry will



Source: IMTMA

“The Central and the state Governments are doing a commendable job with their strong support to city administrations to upgrade infrastructure which will bode well for manufacturing.”

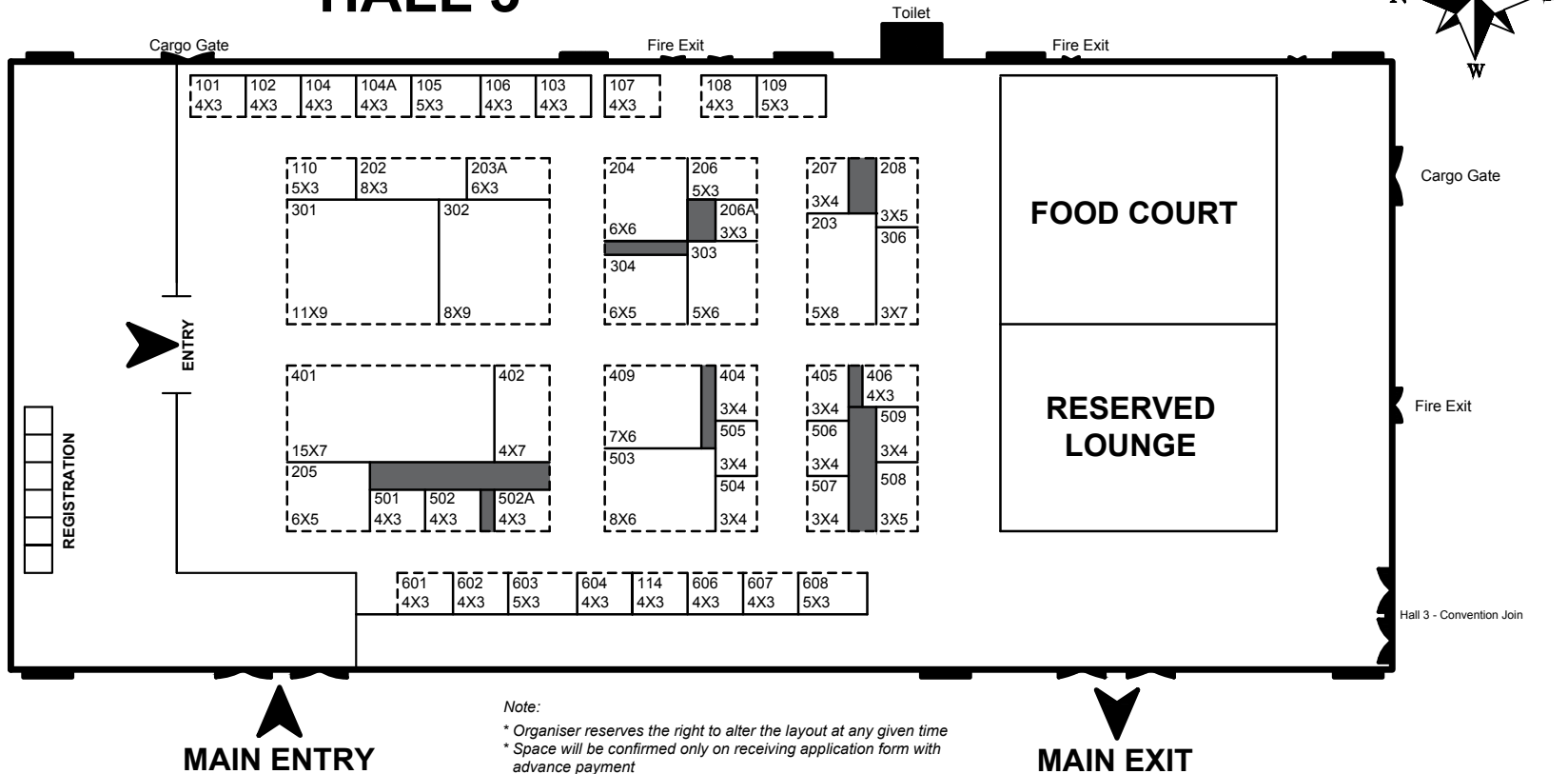
V Anbu
Director General & CEO
IMTMA

bounce back to normal business with improvement in the economy. CMTX may perhaps be the harbinger of good days to come as the expo provides a platform for the regional industries to meet customers from a wide spectrum of user industries and get some good orders and enquiries.

Machine tool production for FY2018-19 is estimated to be around ₹9,600 crore and the consumption was around ₹21,000 crore. For the last three years, the machine tool industry in India has grown at around 15 to 20 percent year-on-year. The industry has moved up by one notch in both consumption and production in the global machine tool producing and consuming countries as against last year. As per the latest Gardner's 'World Machine Tool Survey', India is ranked 7th in consumption and 9th in production, globally.

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 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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www.imtex.in

Industrial CNC Machining Solutions

Proffering the Best Solutions

Headquartered in Chennai, MTAB Engineers is a leading name in Advanced Manufacturing Technology. The company presents its best at CMTX 2019.

MTAB is a pioneer in the machine tool industry with a global presence in 30 countries. The company has been excelling in high-precision machining and customer-centric automation products, with performance, reliability and durability as cornerstones.

"Our CNC product line consists of hard-turning lathes (with options of live tooling), vertical machining centers (with die and mould and 4 and 5 axis capability), profile grinder, drills and drill tap centers, and medical engineering machines," shares David Gnana Durai D, Deputy General Manager, MTAB Engineers Pvt Ltd.

The strengths

MTAB's production machines are designed for stability with mono-block casting, ribbed structure for absorption of vibrations, extended triangular faces for accuracy, stability and free from twist and torsion. The machines can be interfaced with high-productivity features such as auto-loading, chip conveyors, IOT monitoring, etc.

"In our automation product line, MTAB offers industrial Automatic Guided Vehicles with rechargeable batteries, vertically articulated 6-axis robotic arms (6 kg and 10 kg payload capacity), 4-axis SCARA robot for assembly operations and customized machine loading solutions," adds Durai.

products (CNC, robotics, automation) can be used by the job shops, tool and die makers, component manufacturers to explore outside the automotive sectors. "Sectors such as defence, aerospace, energy, electronics, medical are growing and require quality suppliers to meet the growing industry needs," explains Durai. MTAB also expects CMTX 2019 to boost the Industry sentiments and aid in the recovery of the on-going slowdown. "We are seeking customers who are seriously looking for solutions in lean, automation and optimization areas where we can deliver quality product and solutions," he adds.

Best on display

At CMTX 2019, the customers can see a variety of MTAB products including MAXMILL++ Vertical Machining Centre, 4th & 5th axis tilting rotary table; MAXTURN Plus Hard-Turning CNC Turning Centre integrated with AR-900 6-Axis Robot for Loading & Unloading; CHRONOMILL, 4-axis High Precision Horizontal Machining Center, designed for small but high value



Source: MTAB Engineers Pvt Ltd

"At CMTX 2019, we are seeking customers who are seriously looking for solutions in lean, automation and optimization areas where we can deliver quality product and solutions."

David Gnana Durai D
Deputy General Manager
MTAB Engineers Pvt Ltd

engineering components.

The company, meanwhile, expects a large number of visitors from the engineering industry. "We hope that some of the growing segments such as defence, aerospace, medical, high-value non-automotive engineering, medical industries would take the opportunity to explore the exhibition and meet with MSMEs such as MTAB, who have a wide portfolio of products for them to choose from and teams with the capability to understand the process and recommend the best solution to deliver productivity now and in the future," sums up Durai.

MTAB Engineers Pvt Ltd
www.mtabindia.com
Hall & Stall: 3 / 203



Participation in CMTX 2019 Show

The company's intent behind being part of CMTX is to share and boost awareness of unique product lines that it brings to the table and how the versatility of its

Metrology Solutions

8-Axis Quantum ScanArm

Breakthrough FARO metrology solutions are setting new standards.

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

The FARO® 8-Axis Quantum ScanArm with Prizm™ is the world's only eight-axis portable metrology arm solution. Seamlessly integrated with any FaroArm®, the 8-Axis is a complete rotational axis identical to and a natural extension of all FaroArm products. The breakthrough solution enables operators to rotate a part in real-time, relative to the Arm as opposed to moving the Arm around the part. As a result, the 8-axis makes it easier to scan and measure typically hard-to-reach areas, and also dramatically reduces both measurement time and human error — since the part rests on a stable, consistent platform. With this easy-to-use measurement solution, users can focus on the actual measurement and not on the measurement processes.

Designed specifically to operate as a compact, tightly integrated solution with the Quantum ScanArm, the Prizm™ is the first Laser Line Probe (LLP) that scans objects in high resolution, 3D color. Ideally suited for inspecting molded parts, the true-to-life functionality of the innovative LLP allows inspection professionals to drive out dimensional and surface character quality issues that would otherwise slow the end-to-end production process.

Alternatively, the 8-Axis Quantum FaroArm can be paired with the FAROBlu™ LLP to create a comprehensive contact and non-contact metrology solution that significantly speeds up and simplifies

measurement and scanning activities. The FAROBlu leverages an optically-superior blue laser technology that delivers high fidelity point cloud data at high speed. Users can digitize simple features with the Arm's hard probe and seamlessly scan across diverse surface materials regardless of contrast, reflectivity, or part complexity, without the use of any special coatings or target placement.



Source: Faro Business Technologies India Pvt Ltd

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Industrial Parts Cleaning

Cleaning Shock Absorber Parts

Ecoclean's Minio 85C has helped its customer in the elimination of TCE (Trichloroethylene) and compliance with environment and safety norms. This compact machine takes minimal space on the shop-floor and helps in the reduction of overheads, consistently achieving stringent cleaning results.



Minio 85C, a solvent-based parts cleaning solution

With its Minio 85C for cleaning of shock absorber parts, Ecoclean in India has been able to win the patronage of its esteemed customers. Cleaning is highly critical in the manufacturing process of shock absorbers. Dust or oil contamination on the parts results in improper performance of the parts.

Overcoming challenges

The company's customer in question is a leader in the Indian auto components industry and provides a widest range of Ride Control Products in India namely shock absorbers, struts, and front forks catering to passenger cars, utility vehicles, commercial vehicles and two wheelers. These components are internal valving components. The major reason for the failure in valve systems is the improper cleaning of parts before the assembly. The customer, therefore, demanded an alternative to its existing trichloroethylene (TCE)-based machine with a smaller footprint that could help

Challenge:

Ecoclean's customer was looking for an alternative to its existing trichloroethylene (TCE)-based machine with a smaller footprint that could help achieve better cleaning results.

Solution:

Minio 85C fulfilled the customer's requirement for a compact, cost-effective, hydrocarbon machine that eliminated the use of TCE. The machine is not only an environment-friendly solution, but also has a very high built-in quality to meet the safety norms.

achieve better cleaning results. It needed a solution that could also: clean sintered metals which are porous in structure; remove contamination in the form of oil and dust; achieve stringent cleanliness level not exceeding 100 microns and no contamination more than 0.1 milligram and help obtain 100 percent dry parts to avoid damping of the parts.

Equipped with the right solution

Ecoclean's Minio 85C fulfilled the customer's requirement for a compact, cost-effective, hydrocarbon machine that eliminated the use of TCE. The machine is not only an environment-friendly solution, but also has a very high built-in quality to meet the safety norms for the customer. Its other features include: compact modular design; efficient high-power injection flood wash, two flood tanks and filters contained in the basic system; safety equipment; vacuum technology during cleaning, drying, and distillation; cleaning above flash point; double full stream filtration; eight cleaning programs and inert gas welded pipelines.

Benefits abound

The customer has benefited in many ways with the new hydrocarbon machine. Following are the few gains: Productivity has increased by replacing the old machines (complex handling mechanism) by one single machine; material rejection has reduced due to consistent cleaning results; reduced maintenance and higher uptime (~ 95%); no need to change cleaning media due to excellent regeneration system (online distillation); electrical energy conservation by heat recovery. less energy consumption (< 9 kWh). The hydrocarbon machine delivers repetitive and consistent cleaning quality. Controlled emissions result in zero solvent emission. The use of hydrocarbons as the cleaning media is less harmful to human and environment as compared to the use of TCE, thus helping in compliance with environmental health and safety norms. Operating cost has been reduced as compared to the previous TCE-based machine.

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And many more to come...

For further details and registration, please contact :
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