

### Indian Machine Tool Manufacturers' Association



www.imtma.in

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# ► History

Indian Machine Tool Manufacturers' Association (IMTMA) was formed in 1946, the year before India got it's Independence when 19 machine tool manufacturers joined hands to form an Association.

- Over a period of 7 decades, the Association grew in size to have about 460 members in its fold representing about 90% of the organised machine tool and allied equipment manufacturers as on date.
- Today ,Indian Machine Tool Manufacturers' Association is the apex body and single point of contact for the entire machine tool industry in India and plays a critical role in the development of metalworking industry.

A view at the All-India Machine Tool Exhibition held at the Godrej Plant, Vikhrali, Bombay, from 14th to 21st December, 1969. The Exhibition was the first of its kind. It emphasized the export-oriented developments and improvements in the machine tool industry. A wide range of machine tools were displayed and demonstrated at the Exhibition.







Indian Machine Tool
 Manufacturers' Association Vision 2022

VISION SYMPOSIUM



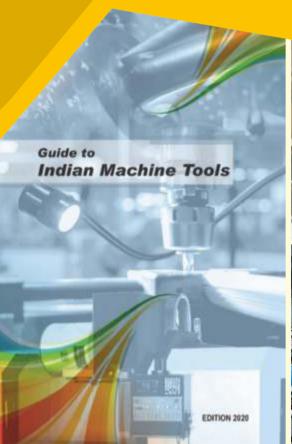


### **IMTMA's Vision**

To be an Organisation par excellence and proactively enable achievement of Industry Vision

# Key Activities

- Membership Services
- ► Government Advocacy & Policy Initiatives
- ► Economic & Industrial Research
- ► Technology Development
- Domestic & International Business Promotion
- ► Training & Skill Development
- Mega Events
- Exhibitions
- Udaan Generation Next Machine Tool Builders
- Publications
- ► Bangalore International Exhibition Centre (BIEC)

















### Membership Services

The Indian Machine Tool Manufacturers' Association is recognized as the sole voice of the Indian machine tool industry. With a membership of around 460, IMTMA represents a majority of organized machine tool and allied equipment manufacturers. By becoming a member, machine tool industries gain access to marketing reports, high-quality training programs and opportunities to interact with customers, international companies and experts.

#### Provide expertise to machine tool industry for business and market development

- · Catalyse technology development among its members and open up new opportunities for R&D
- Work with various government agencies in promoting the growth and development of a strong and vibrant machine tool industry through sustained policy advocacy
- · Development of industry clusters
- Export promotion
- Access to various technical publications, market study reports on products/user segments, business and market opportunities
- · Interact with key customer segments across industry
- · Conduct training programs for skill development in the industry
- · Publish reports on topics of interest

### Regional Council

Regional councils of IMTMA promote the growth of the Association activities in various regions. IMTMA has three regional councils – South, West and North. Through the regional councils, IMTMA organises interactive plant visits, sessions on topics pertinent to the challenges faced by the Indian machine tool industry, and other initiatives.

### **Desktop Research**

IMTMA conducts research on some of the sunrise sectors such as electronics, railways, medical devices, agriculture, furniture, toys, earthmoving, defence and aerospace, etc. to find new business opportunities for its member companies. The Association also forms dedicated taskforces to formulate a strategy to address customers in these sectors.

### IMTMA MSME Cluster

IMTMA has constituted clusters for Micro and Small Enterprises with the objective of enabling such member companies to work together for mutual benefit, continually learn, mature and grow into competitive enterprises. IMTMA has formed 2 clusters in Pune (COBIZ) and Gurugram (SAHAYOG) to focus on development of such enterprises in western and northen regions respectively.

# Government Advocacy & Policy Initiatives

Indian Machine Tool Manufacturers' Association (IMTMA) works closely with various government departments to promote a strong and vibrant machine tool industry in India. The Association provides policy inputs to the government for development of technology and growth of this strategic industry.

IMTMA conducts regular interactions with the Ministry of Heavy Industries, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Ministry of Micro, Small & Medium Enterprises, NITI Aayog, etc. The Association voices industry concerns to the government for formulating policies supporting the machine tool industry. IMTMA also provides policy inputs to various government agencies on specific issues referred to it from time to time.



# **AatmaNirbhar Bharat Abhiyan**



## Economic & Industrial Research

Indian Machine Tool Manufacturers' Association disseminates information about the machine tool industry, provides in depth analysis, trends and latest developments of the user sectors through focused studies. IMTMA strives to strengthen the relations between industry and user sectors by providing the information to members on user sector requirements and enabling the members to serve them better.

IMTMA independently collects data on production, order booking and exports, from the members and publishes consolidated reports on a quarterly basis and makes them available to the members. The data is also shared with government as required, to support policy advocacy and with other industry bodies, nationally and internationally.

- Industry Data
- · Economy Update
- · Industry at a Glance
- Consumption
- Production
- Exports
- Imports
- · Global Industry Data

# IMTMA Technology Centre TECHNOLOGY DEVELOPMENT

Indian Machine Tool Manufacturers' Association has taken several initiatives to catalyze technology development among its members and open up new opportunities for research and development by initiating academia-industry cooperation in R&D projects.

IMTMA helps members with their technology issues by identifying suitable academic / R&D institutions which have the required expertise to develop solutions for them.

The Government of India has also been supporting the R&D efforts in the machine tool industry. IMTMA's Technology Centre at Bangalore coordinates all technology related activities.



### Technology Development



### Technology Roadmap

The Technology Roadmap addresses the important areas of R&D pertaining to machine tool industry.

### Funding for R&D

The Indian Machine Tool Manufacturers' Association co-ordinates with various government bodies and helps the machine tool industry to avail development funds/grants under various schemes.

### **Technology Missions**

IMTMA organizes technology missions both within the country and outside for its member companies to gain more knowledge about the latest in machine tools and manufacturing technologies, visit research institutions and learn the best practices in machine tools and manufacturing.

### Industry - Institution (i2) Pavilions at Exhibitions

IMTMA provides space for academic institutions to display their R&D capabilities to the industry during the IMTEX series exhibitions. It is an opportunity for the industry to interact with the academic institutions and the R&D professionals from across the country. This initiative gives the manufacturing industry experts a glimpse of the R&D capabilities of the academic institutions, with an objective of increasing industry-academia collaboration

### IMTMA - Institute Innovation Collaboration (IIIC)

IMTMA R&D matchmaking site "Institute Innovation Collaboration" brings together industries and institutes to work jointly on R&D IMTMA projects. The site enables companies to get in touch with academia and vice-versa, and to develop new products and technologies.



### Tumakuru Machine Tool Park (TMTP)

TMTP is a fully integrated machine tool park, the only one of its kind in India, set up at Vasanthanarasapura Industrial Area, close to Bengaluru, by the Government of Karnataka with support from the Ministry of Heavy Industries, Government of India, to make the domestic

capital goods and machine tool industry globally competitive. Companies can invest in this fully integrated machine tool park, make use of the services and facilities and enhance their potential and growth by several notches.

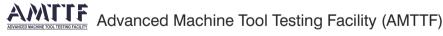
### Advanced Manufacturing Technology Development Centre (AMTDC)

IMTMA is a founding member of AMTDC, a Centre of Excellence for machine tools and production technology set up by the Ministry of Heavy Industries, Government of India under its Scheme for "Enhancement of Competitiveness of Indian Capital Goods Sector" at IIT-Madras. AMTDC has developed first-time technologies such as automation of grinding process intelligence and technologies developed as import substitutes such as 5-axis multi-tasking machine, 5-axis universal machining centre with rotary hydrostatic table, etc.

### Green Manufacturing Cell

IMTMA's 'Green Manufacturing Cell' enables member companies in their quest to become world-class green manufacturing companies and enable them manufacture machine tools as green products. IMTMA sees green manufacturing as prevention of pollution and means of conserving energy, material conservation, etc.

### Testing and Certification Facility



AMTTF is a public private partnership for assisting machine tool and manufacturing industries, formed by the Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry and Central Manufacturing Technology Institute (CMTI), to establish a state-of-the-art machine tool testing facility at CMTI,

Bengaluru. As a separate entity, AMTTF conducts testing, troubleshooting, and problem solving to enable upgrading of products to higher levels of performance. Services of AMTTF are also available to the general engineering industry at large.

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### ▶ Training & Skill Development

To meet the requirement of skill development in the manufacturing and machine tool industry, Indian Machine Tool Manufacturers' Association has set up Technology Centres in Bengaluru, Pune and Gurugram with the aim of filling skill gaps.

### **Technology Centres**

IMTMA Technology Centres provide state-of-the-art technical inputs to machine tool builders and users across the country. The centres have been set up through a close cooperation of various manufacturers, both Indian and foreign. Supporting all these activities is a modern, state-of-the-art training centre equipped with CNC machines, control systems, tooling and tool setting equipment and a host of peripherals of international manufacturing. IMTMA has set up technology centres in Bengaluru, Pune and Gurugram.

### **IMTMA - Technology Centres comprise of**

- Productivity Institute
- Design Institute





Productivity Institute at BIEC

Design Institute at BIEC







### **Short Term Training Programmes**

The short term training programmes vary from one day to two days. Some of the courses are conducted online as well. The advantages of the training programmes conducted by Indian Machine Tool Manufacturers' Association is that the faculty is industry experienced, who are updated with the latest developments in the industry. The faculty also have enormous experience in training, which helps in understanding the requirements of the companies and addressing the pain points.

The Technology Centre also regularly conducts ASME programmes, programmes recognised by the Pradhan Mantri Kaushal Vikas Yojana, etc.

### **Customised Training Programmes**

IMTMA also regularly develops and delivers customised training programmes for the companies based on the individual requirement.

### Finishing School in Production Engineering

Finishing School in Production Engineering is developed to enhance skill sets of engineers and supervisors from manufacturing industries. This course is of 4 weeks duration and is totally practical oriented with hands-on training in production, CNC machines, CAD/CAM, metrology equipment, tooling and work holding systems and other accessories. The course is tailored for new recruits / trainees as well as fresh engineering graduates in mechanical engineering and allied branches, aspiring for challenging career in manufacturing industries.



IMTMA Productivity Institute is equipped with state-of-the-art training facilities including production CNC machines | Metrology equipment including CMM, CAD/CAM systems | Latest cutting tools and work holding

accessories | Hands-on training is imparted in programming & operation of CNC machines and productivity and quality improvement concepts.



The Design Institute runs very comprehensive training programmes on Machine Tool Design – Mechanical (8 weeks) and Machine Tool Design -

Electrical (4 weeks), for both Mechanical and Electrical engineers to make them industry ready.

IMTMA Design Institute is equipped with Advanced CAD lab with 3D & 2D latest design tools and A/V class rooms | Hands-on experience on solid modeling, FEA | Mechanical laboratory for demo of in-use machine systems | Real life 'machine carcasses' of CNC Lathe and Machining Centers | Functional CNC Lathe and Machining Centers for demonstration | SIEMENS AND FANUC programme simulation kits | Hydraulic and pneumatic kits.



### Access - Anybody, Anytime, Anywhere

IMTMA's e-learning programs are simplified, relevant, organized and instructive, and presented in a dynamic and understandable manner. Videos, animations, diagrams and graphs are used intuitively for presenting moving parts, physical reactions, flowcharts, technical drawings or on how to assemble a piece of equipment. About 75 hours of learning contents, developed by industry experts are available in our E-learning portal.



\*Data until 2021-22

# Domestic & International Business Promotion

Indian Machine Tool Manufacturers' Association lays particular emphasis on helping the machine tool industry growth by developing new business opportunities and markets, both within India and abroad.



Trade mission from JAPAN at IMTEX



### ► International Business Promotion

Indian Machine Tool Manufacturers' Association supports the export efforts of its members through various initiatives such as group participation in overseas fairs, trade missions, etc.

IMTMA encourages members' participation in recognised international exhibitions in identified target markets and invite leading trade journals and magazines from target markets to visit IMTEX as well as Indian Machine Tool Manufacturers' Association member companies for promotion of Indian Machine Tools.

IMTMA has established an 'Export Development Cell.' The objective of this cell is to promote and boost exports. For this purpose, the Association has formed a group of companies who are interested in exporting to the overseas markets.

IMTMA has formed Export Development Group to focus on strategic efforts to boost machine tool exports. The association supports the export efforts of its members through initiatives such as group participation in overseas fairs, trade missions, developing and establishing international presence through post-trade fair discussions and visits to potential customers / distributors.







# Mega Events

Indian Machine Tool Manufacturers' Association regularly organises mega events in the interest of the metal working industry. The major flagship events of IMTMA are:

- National Productivity Summit
- International Seminar on Machining Technologies
- International Seminar on Forming Technology
- Machine Tool Industry Summit
- Symposium on Automation and Robotics
- Vision Conclave













### **National Productivity Summit**

To champion the cause of productivity in the manufacturing industry, Indian Machine Tool Manufacturers' Association organises National Productivity Summit. The event is designed to highlight best productivity practices in manufacturing industries through keynote sessions, live case study presentations and plant visits.





Machine Tool Industry Summit provides a forum to the entire machine tool fraternity, viz., machine tool builders, sub-suppliers, accessory & allied equipment manufacturers, vendors, R&D institutions, industry experts and individuals to network, collate ideas and set forth a process of organised thinking, analysis and deliberations towards achieving sustainable growth and development of machine tool industry. IMTMA conceived this strategy map to enable "Long Term Industry Growth"

### International Seminar on Machining Technologies



International Seminar on Machining Technologies provides both manufacturers and users of machine tools with latest metal-cutting solutions that enhance productivity, improve quality and finish, of machined components, in addition to reducing costs. The Seminar dwells extensively on new manufacturing strategies and highlight a range of value added machining solutions. The Seminar is held concurrently with IMTEX Metal Cutting Show.

### International Seminar on Forming Technology



International Seminar on Forming Technology, focuses on Metal Forming Processes, New Materials, Tooling & Design and Emerging Technologies and brings together the fraternity of forming technology on a common platform to discuss related issues. The Seminar is held concurrently with IMTEX Metal Forming Show.

### Symposium on Automation and Robotics

To address and understand the real-time benefits and applications of automation and robotics, Indian Machine Tool Manufacturers' Association organises Symposium on Automation and Robotics every year.

#### Vision Conclave



The 'Vision' Conclave envisages India's machine tool industry to work on enriching its products – through better productivity, quality, design, product development, aesthetics and reinvigorate focus on realising the BIG picture. This is an internal programme for industry CEOs.









\*Data until 2021-22

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### ► Exhibitions

Indian Machine Tool Manufacturers' Association organises exhibitions, IMTEX, IMTEX FORMING, TOOLTECH, Digital Manufacturing and Regional Machine Tool Expos in India and participates in overseas machine tool shows in a bid to promote domestic machine tools both at home and abroad.





View of IMTEX



### **IMTEX**

An initiative of Indian Machine Tool Manufacturers' Association, IMTEX is a flagship event for the Indian metal cutting industry. It is South and South East Asia's apex exhibition which attracts visitors from a wide spectrum of manufacturing and ancillary industries including key decision and policy makers as well as industry captains who can witness 'LIVE' machines, source latest technologies and manufacturing solutions for their production lines.



### **IMTEX FORMING**

IMTEX FORMING is South East Asia's premier exhibition which attracts leading national and international manufacturing firms from the metal forming sector. This exclusive business-to-business event is the driving force for the machine tool industry's accelerated growth. Technologies displayed include servo presses, hydroforming, plasma cutting, high power fibre laser cutting, profile bending machines, robotic welding and service, and welding technologies.



#### Tooltech

Tooltech is a premier event concurrent to IMTEX showcasing machine tool accessories, metrology and CAD/CAM cutting tools, tooling systems and current trends in the tooling industry. Tooltech manifests recent innovations in technology, design and product development to achieve competitiveness and excellence in the machine tool industry.



### Digital Manufacturing

In 2019 two new pavilions were introduced to cover Additive Manufacturing under the banner "Additive Manufacturing Expo" and Industry 4.0 under the banner "Factory of the Future". The two pavilions have been brought under the banner Digital Manufacturing.



### Regional Machine Tool Expo

Machine Tool Expo is a one-stop destination to address the manufacturing requirements of the Original Equipment Manufacturers (OEMs) of various industry sectors in Tier II and Tier III cities of India. Regional Machine Tool Expo are held in Delhi and Pune.













\*Data until 2019-20













\*Data until 2020-21

### Concurrent Shows

Regional Machine Tool Expos also include concurrent shows on important segments such as Welding, Metrology, etc.







As part of its endeavour to involve the second-generation entrepreneurs, emerging leaders and young professionals of the machine tool industry into the mainstream activities of the industry and the Association, Indian Machine Tool Manufacturers' Association launched a young machine tool entrepreneur's club named as "UDAAN" – Emerging Leaders Expanding Horizons. The UDAAN program mentors next gen leaders with inputs from experts, both within and outside the machine tool industry.





### CONNECT



IMTMA during the IMTEX exhibitions held in Bengaluru, organises an awareness programme for imparting knowledge on the machine tool industry for young engineers. Students from both mechanical and electrical engineering streams avail this opportunity to gather more knowledge of the opportunities in-store for them in the manufacturing industry. By interacting with industry experts they get to understand how machine tool industry helps in industry growth and the role of an engineer in the manufacturing industry.

### **JAGRUTI**

During IMTEX, for select engineering candidates, IMTMA organises JAGRUTI with the help of UDAAN members. The programme familiarises engineering students with the machine tool industry and the technological happenings in the industry segment. A guided tour is organised during IMTEX and also to one of our member companies to learn more about the machine tool industry.

### ▶ Publications

Indian Machine Tool Manufacturers' Association compiles and publishes various Publications related to Association, Technology, Market, Business and other latest industry reports from time to time.

Indian Machine Tool Manufacturers' Association Publications include:

- Market Research Reports
  - Country Reports
  - Industry Data
  - Technology Reports
- Members Directory
- Guide to Indian Machine Tools
- Newsletters
- Journals & Magazines
  - Modern Manufacturing India (MMI)
- Exhibition Directories of IMTMA Tradefairs
  - Exhibition Catalogues
- Tender News
- Annual Reports





- Market Research Reports: These reports give the performance of major machine tool user industries with their growth potentials. Machine tool requirements are established in relation to the investments made in the machine tool user sectors.
  - Country Reports: Country reports provide information on doing business in the other countries, find dealers and distributors, connecting with machine tool sector in those countries and also to know specific details about the technologies pertaining to both metal cutting and metal forming machines.
  - Industry Data: IMTMA publishes the consolidated figures of 10 years for the industry.
     This provides the long-term trend in the machine tool industry.
  - **Technology Reports:** From time to time, IMTMA publishes technology reports on machine tools and manufacturing technologies.
- Members Directory: This publication of Indian Machine Tool Manufacturers' Association is compiled and published every alternate year. The directory provides detailed information on members of IMTMA, including their product range.

Guide to Indian Machine Tools: A descriptive insight into the product capabilities of the

- Indian Machine Tool Industry Machine Tools, Cutting tools and accessories, etc. The GIMT is an elaborate compilation of key metalworking machine tools and various related equipment manufactured by IMTMA members.
- Newsletters: The newsletters are directed at updating the industry about the latest policies and developments. It disseminates the news about the members and their latest products updates the members about the latest activities undertaken by the Association information about latest publications from IMTMA and includes blogs about the latest technologies.
- Journals & Magazines:
  - Modern Manufacturing India (MMI): MMI is published and printed by Indian Machine Tool Manufacturers' Association. The bi-monthly publication covers a myriad of subjects on key industries such as Automotive, Defence, Medical Engineering, Aerospace, Automation & Robotics and others, with industry captains providing insights and developments.
- Exhibition Catalogues of IMTMA Tradefairs:
  - Exhibition Catalogues: Exhibition catalogues are a compilation of all relevant information pertaining to exhibitors and exhibits at IMTMA exhibitions.
- Tender News: To guide and facilitate the growth and development of the machine tool industry further, IMTMA keeps its members up-to-date on the latest tenders and enquiries being floated on machine tool requirements from various user sectors.
- Annual Reports: Annual Reports of IMTMA contain activities held by the Association in the
  preceding financial year, including all its major initiatives, its key exhibitions and a host of training
  programmes.











- BIEC is India's premier exhibition-cum-conference facility. Spread across 57 acres of lush-green area BIEC infrastructure comprises five exhibition halls, a conference centre, food court, Amphitheatre, entrance plaza and a large outdoor area. BIEC is India's first LEED certified Green Exhibition and Conference Facility. It is a member of UFI, IAEE, AFECA, ICCA and IEIA, globally recognized associations of the exhibition industry.
- In 15 years, since it was set-up in 2007, 373 events spread over 2126 days have been successfully conducted at the venue. These include exhibitions from diverse sectors such as construction equipment and technology, woodworking solutions, machineries, exposition of startup ecosystem, digital business, and architecture and building materials, electrical, agriculture, IT, textiles, and so on. Government of India as well as the Government of Karnataka have patronized BIEC for various events organized by them



Hall 4 has been awarded 'Gold' rating by both Indian Green Building Council (IGBC) and US Green Building Council (USGBC) under its LEED (Leadership in Energy and Environmental Design) rating level.



BIEC's Exhibition Hall (Hall 5) has been certified 'Gold' under the Indian Green Building Council's New Green Building Rating System. BIEC's 'Hall 5' measures 17,500 square

award is a crowning achievement for BIEC's efforts in ushering a green building environment in India. With this Gold certification, BIEC has set a benchmark in the exhibition industry in maintaining green norms.



Exhibition Space



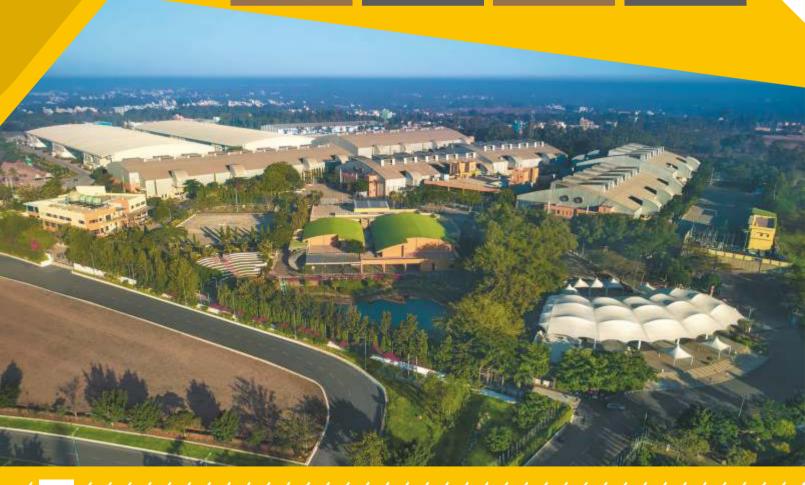
**5** Exhibition Halls



Conference Centre



.500 Sq. Mts. Food Court







Exhibition Hall outer view

Exhibition Hall inner view



Conference Centre outer view

Conference Hall inner view



Board Room

Protocol Lounge



Food Court

Food Court extension

















# ► CSR Initiatives

To empower society and community, especially the needy segments, in fulfilment of it's role as a socially responsible organisation, IMTMA has been undertaking several CSR initiatives. The association undertakes some CSR activities such as developing the school infrastructure, training the drivers on safe driving skills, etc.

Projects and programs include areas such as:

- Providing health care and sanitation
- Providing safe drinking water
- Promoting education and employability
- Promoting gender equality and empowering women
- Environment sustainability
- Technology incubators





### ▶ Certifications









# **Enhancing Machine Tool Industry's Competitiveness OUR INITIATIVES...**

### TRADE FAIRS









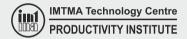








### **TRAINING**





### **MEGA EVENTS**























### **INFRASTRUCTURE**



### **PUBLICATION**



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