

Organised by



Indian Machine Tool
Manufacturers' Association



7th Edition

SYMPOSIUM ON AUTOMATION & ROBOTICS

25 - 26 September 2024

Hotel Tip Top International, Pune



Enriching
Keynotes



Technical
Presentations



Panel
Discussion



Networking



Exhibition

www.imtma.in/automation

In the era of competition automation and robotics play a crucial role in building cutting-edge products, saving costs, and meeting customer needs effectively. While large companies are easily switching to fully automated production facilities, smaller companies are doing it in stages.

Automation and robotics including industrial wired and wireless connectivity, cobots, digital twins, virtual and augmented reality, artificial intelligence, industrial cybersecurity, and machine learning are growing trends in smart manufacturing.

Industries such as automotive, electrical and electronics, consumer durables, defence, PSUs and many more use automation and robotics widely in their manufacturing process.

To realize the vision of becoming a factory of the world, industries need to move from conventional manufacturing techniques to smarter ways of manufacturing involving automation and robotics.

Indian Machine Tool Manufacturers' Association (IMTMA) is organizing the seventh edition of 'Symposium on Automation & Robotics' on 25 - 26 September 2024 in Pune.



Target Industries

Aerospace & Defence, Heavy engineering, Electric & Electronics, Railways, Die-mould, Consumer durables, Fabrication, Construction equipment, Machine tools, Automotive & Auto components, Earthmovers, Farming equipment, Capital goods, consumer packaged goods, Foundry, Forge shop, Textile machineries, Machining and Sheet forming service providers and many more.

Focus Areas



Assembly Automation



Industrial Automation & Robotics



Material Handling & Warehousing Automation



Laser Cutting & Sheet Bending Automation



Smart Manufacturing Techniques



Inspection and quality control Automation



Appropriate Automation



Welding Automation



Artificial Intelligence & Machine Learning



Panel Discussions and Case Studies



Programme Schedule

Theme: "Robotize, Automate and transform manufacturing"

Day 1 : 25 September 2024 (Wednesday)	
0800 - 1000 Hrs	Registration
1000 - 1130 Hrs	Inaugural Session Keynote address 1: Embracing automation - "Global and Indian Perspective and India's way forward" Keynote address 2: Embracing automation - "Creation of human resource for automation, I4.0, Smart manufacturing"
1130 - 1200 Hrs	Tea break
1200 - 1240 Hrs	<i>Start-up Opportunity</i> - Case study on Innovation and Self-reliance
1240 - 1245 Hrs	Changeover
1245 - 1330 Hrs	<i>Panel Discussion</i> - Challenges and opportunities in adopting automation
1330 - 1420 Hrs	Lunch break
1420 - 1500 Hrs	Robotics and Automation for enhancing efficiency and productivity
1500 - 1505 Hrs	Changeover
1505 - 1545 Hrs	<i>Cyber Physical technology for productivity enhancement:</i> a. Digital Twin or b. Generative AI for Manufacturing (Machine Learning)
1545 - 1605 Hrs	Tea break
1605 - 1645 Hrs	Automation of Assembly and inspection resulting in Traceability, real time information availability and MIS
1645 - 1650 Hrs	Changeover
1650 - 1730 Hrs	Machine Vision for Factory Automation
Day 2 : 26 September 2024 (Thursday)	
0930 - 1010 Hrs	A Case study on Lightsout factory
1010 - 1015 Hrs	Changeover
1015 - 1055 Hrs	Modular Automation for smart factory
1055 - 1125 Hrs	Tea break
1125 - 1205 Hrs	Industries on CLOUD nine (The need for cultural Adoption)
1205 - 1210 Hrs	Changeover
1210 - 1250 Hrs	Panel Discussion: What HR challenges does Digital Transformation bring with it ?
1250 - 1340 Hrs	Lunch break
1340 - 1440 Hrs	Automation on Pneumatics
1440 - 1445 Hrs	Changeover
1445 - 1525 Hrs	Augmented Reality (AR) and Virtual Reality (VR). Its application and uses in various industries.
1525 Hrs onwards	Networking Tea / Coffee

Who should participate

CEOs, Top Management, Senior Executives, Practicing engineers, Industry consultants and R&D Specialists from Automotive, Auto components, Aerospace, Consumer durables, Machine Tools, Tool rooms, Defence & Railway units, General Engg. and other manufacturing industries.



Registration Fee (Per Delegate)

IMTMA Members, Micro & Small Enterprises, Research & Educational Institutions	Rs. 5000*	• 5% discount applicable for each delegate for companies nominating 3-5 delegates
All Other Companies	Rs. 5500*	• 10% discount applicable for each delegate for companies nominating more than 5 delegates

- Note
- *Add 18% GST
 - Registration fee includes symposium documentation and lunch on Day 1 and 2
 - Pre-payment of delegate fee is mandatory for confirmation of participation
 - Delegate fee is Non-refundable. However, change of nominations within the same company acceptable
 - Micro & Small Enterprises companies must produce valid UDYAM Registration Certificate
 - IMTMA Members may avail their membership redemption points for participating in the symposium

Registration for participation must be made online only.

To register online, log on to www.imtma.in/automation

For details or any queries/clarifications during 'Online registration' process, please contact

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About IMTMA

Constituted in 1946, Indian Machine Tool Manufacturers' Association (IMTMA) is a single point of contact for the machine tool industry in India. The apex body of machine tool industry in the country, IMTMA has a membership of about 500 companies from both the public and private sectors, manufacturing a wide range of metal-cutting and metal-forming machines, accessories, cutting tools and other allied equipment. The Association has over the years deeply committed itself to focus on issues of productivity, quality, technology, new product development, design, customer satisfaction, etc. for enhancing competitiveness of the industry. IMTMA is proactive in taking new initiatives to promote advancement of metalworking industry in India. IMTMA organises the prestigious IMTEX and Tooltech exhibition, where both Indian and overseas manufacturers showcase their metalworking machines, equipment and tools.



Indian Machine Tool
Manufacturers' Association

Indian Machine Tool Manufacturers' Association (IMTMA)

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