

INTERNATIONAL PLASTICS & POLYMERS EXHIBITION



MOULDS & DIES - PROCESS & RAW MATERIALS

Highlights:

- 8 Modern A/c Halls
- 30,000 sqm. Exhibition Area
- Live Demonstrations
- Product Launches
- Technical Seminars
- 60K Business Visitors

Organised by



Concurrent with



2 - 6
APRIL
2026

INTERNATIONAL EXHIBITION COMBINING
METALS & PLASTICS UNDER ONE ROOF



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Chennai Trade Centre, Chennai, India



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IPPEX - INTERNATIONAL PLASTICS & POLYMERS EXHIBITION

Madras Machine Tools Manufacturers Association (MMTMA) has been in the forefront in promoting the machine tools industry and in presenting the latest in machine tools technology from all over the world on one platform through its Largest biennial event, IMTOF 2026, International Machine Tools Exhibition at Chennai Trade Centre, Chennai, India, during 2 - 6 April 2026.

We are Organizing an international exhibition combining metals and plastics under one roof in Chennai makes strategic sense for several reasons, especially given Tamil Nadu's status as a hub for automobiles and electric vehicles (EVs). Here's why:

Driving the Future of Smart Manufacturing in Plastics

Strong Automotive & EV Industry in Tamil Nadu

Chennai is known as the "Detroit of India", home to major automobile manufacturers. Both metals and plastics play a critical role in automobile production—metals for structural components, and plastics for lightweight, fuel-efficient designs and breakthrough in EV Components manufacturing applications.

The presence of large industrial corridors (Oragadam, Sriperumbudur, Coimbatore, Hosur, Tiruchirappalli) ensures high industry participation.

Complementary Role of Metals & Plastics in Engineering & Manufacturing

Metals (iron, steel, aluminum, alloys) are used in chassis, engine parts, battery casings, and structural components.

Plastics & composites are used for body panels, interiors, EV battery covers, insulation, and lightweighting to improve efficiency.

Both materials are evolving with sustainability trends, with industries shifting towards recycled plastics and lightweight alloys for eco-friendly solutions.

Tamil Nadu's Strong Manufacturing Ecosystem

The state has over 100 industrial clusters related to automotive, aerospace, heavy engineering, and precision manufacturing.

A well-established supply chain for mould design, machine tooling, additive manufacturing, and composites supports industries ranging from automotive to aerospace.

Growth of Additive Manufacturing & Composites

With 3D printing, carbon fiber composites, and hybrid materials becoming mainstream in automobiles, aerospace, and medical sectors, Chennai's industrial base is well-positioned to adopt these technologies.

Tamil Nadu has several engineering R&D centers, making it ideal for showcasing innovations in lightweight materials and sustainable manufacturing.

Sustainability & Circular Economy Focus

With growing emphasis on recycling, sustainable plastics, and green metals, Tamil Nadu's industries are transitioning towards eco-friendly materials and electric mobility.

The exhibition can highlight innovations in bio-composites, recycled polymers, and energy-efficient metal production.



Transforming Plastics Manufacturing Through Innovation

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Plastics Pavilion-Highlights

- 1. Advanced Materials & Composites Pavilion-**
Showcasing lightweight alloys, high performance plastics, carbon fiber composites, and sustainable materials.
- 2. EV & Automotive Materials Zone -**
Featuring EV battery casings, thermoplastics, hybrid materials, and lightweighting solutions.
- 3. 3D Printing & Additive Manufacturing Hub-**
Live demos of metal & polymer 3D printing, hybrid manufacturing, and AI-driven material design.
- 4. Mould & Tooling Innovation Zone -**
Highlighting precision moulds, CNC machining, smart tool design, and rapid prototyping.
- 5. Aerospace & Defense Materials Pavilion -**
Showcasing high-temperature polymers, titanium alloys, and advanced composites for aviation and defense.
- 6. Sustainability & Circular Economy Pavilion -**
Featuring recycled plastics, green metals, bio-composites, and zero-waste solutions.

Seminar

Visitor engagement plan for the International Metals & Plastics Exhibition in Chennai, including three day Technical conference, workshops, and live demonstrations:

1. Keynote Sessions & Industry Conferences

Themes:

- ▶ Future of Electric Vehicles & Advanced Materials
- ▶ Sustainability in Manufacturing
- ▶ Smart Manufacturing:
- ▶ Additive Manufacturing: The Next Frontier
- ▶ Composites & Next-Generation Materials

Speakers:

leaders from key automotive sectors and manufacturing industries.

R & D experts from eminent government, non governmental and global institutions.

2. Workshops & Technical Sessions

Hands-On Workshops:

- ▶ Metal & Polymer 3D Printing
- ▶ Plastic Molding & Injection Techniques.
- ▶ Sustainable Manufacturing Practices
- ▶ EV Materials & Thermal Management

Interactive Panels:

Emerging Trends in Plastics & Composites -
Industry experts discussing breakthroughs in bioplastics, eco-friendly composites, and high-performance polymers.

Next-Gen Metal Alloys & Lightweight Materials -
Discussions around the evolution of alloys, metal processing, and materials for EVs and aerospace. Eco-friendly packaging solutions using bioplastics and composite materials.

Demonstrating recycling technologies for plastic and metal products to highlight the circular economy.

4. Networking & B2B Opportunities

Networking Lounges:

Spaces for industry professionals to meet potential partners, suppliers, and customers.

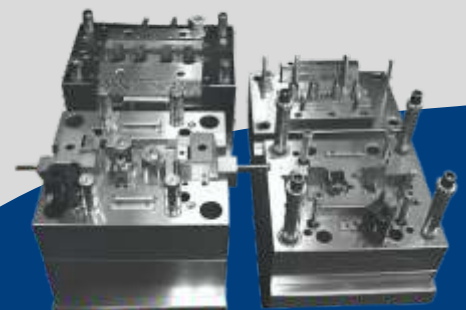
Dedicated areas for startup pitches and collaboration opportunities between corporates and new tech players.

B2B Matchmaking Sessions:

Targeted matchmaking for exhibitors, industry leaders, and investors, focusing on joint ventures, technology partnerships, and supply chain solutions

Additional Features for the Exhibition

- ▶ Live Demonstrations: 3D printing, EV component manufacturing, robotic automation.
- ▶ Startup Zone: Showcase emerging companies in composites, additive manufacturing, and sustainable materials.
- ▶ Skill Connect Zone - to Support Employment and Internship
- ▶ Virtual Expo & Webinars - Digital access for global participants
- ▶ Product Launch Events - Exclusive platforms for unveiling new materials & machines.





Booked Stalls
Available Stalls
Each block represents one square meter.

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The Stalls are subject to availability and priority. The Actual Layout may vary even a day before the exhibition. Rights of admission reserved with IMTOF

Amenities	
Multi-Level Parking	Information / Help Desk
No Temporary Structures	Safety Measures
Wi-Fi & Charging Stations	Seating & Relaxation Zone
Cloakroom & Storage Facilities	Restrooms & Amenities
Isolated Smoking Zone	Food Court & Refreshments
Accessibility Features	Fire Extinguishers

Event Highlights
● 8 Modern A/c Halls
● 30,000 sqm. Exhibition Area
● 60,000 Business Visitors
● Pre-Launch Meetins
● B2B Meetings
● Technical Seminars