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AIPMA's AMTEC

ARVIND MEHTA TECHNOLOGY AND ENTREPRENEURSHIP CENTRE (MUMBAI)



A-53, Street No. 1, MIDC Marol,
Andheri (East), Mumbai - 400093, INDIA



+91 22 6777 8899



contact@amtecedu.org
www.amtecedu.org

01

VISION



To become 'Institute of Eminence' empowering rapid growth of Indian Plastic Industry.



MISSION

02

To disseminate emerging innovations, technologies and knowledge to make India global sourcing hub.

Increase 'Speed to Market' for faster development of innovative products for global competitiveness

03

GOAL



- To help the industry scale up from Micro to small, small to medium and medium to large enterprises.
- Alliance with International Knowledge partners and technology providers
- To upskill professionals and make students Industry ready



OBJECTIVE

04

AIPMA's AMTEC CENTRE OF EXCELLENCE FOR PLASTIC PRODUCT INNOVATION & APPLICATION

CENTRE OF EXCELLENCE (COE)

DESIGN

REVERSE
ENGINEERING

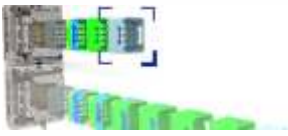
ADDITIVE MANUFACTURING
(3D PRINTING)

PLASTIC
PACKAGING

MANAGEMENT MODULES,
CONSULTING, CLUSTER

INTERNATIONAL KNOWLEDGE PARTNERS

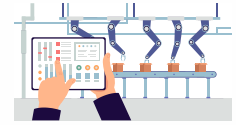
REVERSE ENGINEERING



DESIGN



ADDITIVE MANUFACTURING (3D PRINTING)



PLASTIC PACKAGING



MANAGEMENT



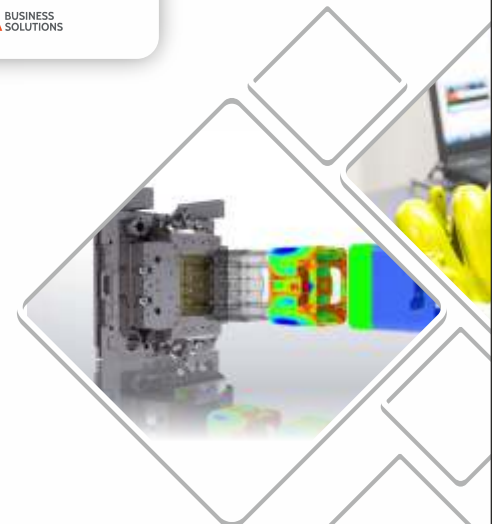
REVERSE ENGINEERING

SERVICES

- Reverse Engineering:** 3D Scanning, Computed Tomography, Laser Sensor Scanning, Contour Measurement
- Training:** Courses in GD&T Training, software training, eLearning & Blueprint Reading

BENEFIT TO THE INDUSTRY

Speed to Market, Reverse Engineering- Scanning, Design and Prototype, increase efficiency, productivity & reduce cost of product development.



ADDITIVE MANUFACTURING (3D PRINTING)

SERVICES

Prototyping, Functional Testing Models, Design to Prototype project- Art to Part, Design projects - New CAD Design viability, Casting Pattern, Vacuum Casting, Low Volume Production, Jigs & fixture - Design for Additive Manufacturing (3D Printing)

BENEFIT TO THE INDUSTRY

Low cost prototype development, Low volume production, Speed to market.

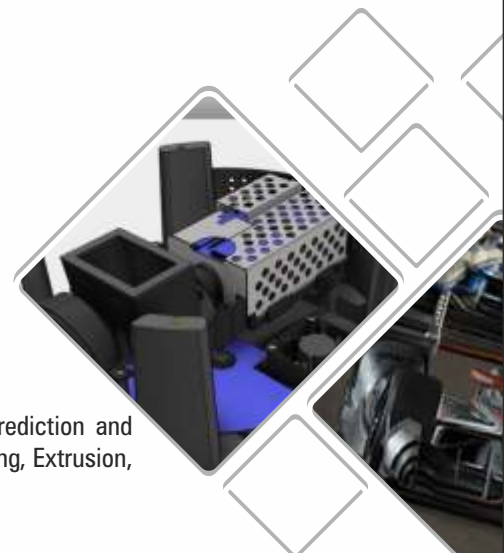
SOFTWARE DESIGN APPLICATION

SERVICES

- Analytical services
- Failure Diagnosis Service-Product & Process
- Concept to Production
- Autodesk/Moldflow Training

BENEFIT TO THE INDUSTRY

Proper material selection, Feed system optimization, cooling system optimization, Cycle time prediction and reduction, Optimization of process parameters, Part design optimization for injection and blow molding, Extrusion, Mold optimization, defining and optimizing 'part quality'.



PLASTIC PACKAGING

SERVICES

Skill Development program | Projects & Entrepreneurship | Research & Innovation | Publication & Policy Advocacy

BENEFIT TO THE INDUSTRY

Gain knowledge in Packaging Concepts & Classifications Packaging Materials and Functions Packaging Research and Innovation Recyclability & Life Cycle Analysis Circular Economy & Sustainability



INDUSTRIAL MANAGEMENT PROGRAMMES

SERVICES

Strategy Planning | Goal Deployment | Design Optimization | Lean Manufacturing | Supply Chain Improvement | Quality Improvement | Business Process Optimization and IT Enablement.

BENEFIT TO THE INDUSTRY

Management programmes would help the industry in practical implementation of projects with increased profits. They would help the industry to migrate from micro to small, small to medium and medium to large enterprises. This would help the industry to become export ready.



AIPMA's AMTEC ONE STOP SOLUTION FOR YOUR PRODUCT DEVELOPMENT NEEDS



INDUSTRIAL SERVICES

- Reverse engineering
- Measurement Services (Metrology)
- Additive Manufacturing (3D Printing)
- Design and Development
- Management consultancy



TRAINING AND SKILL DEVELOPMENT

- AMTEC-FIPS Certificate Programmes on Plastic Packaging
- ZEISS Academy on Metrology
- AUTODESK Learning Centre
- Certificate courses on Additive Manufacturing
- ICAET certified AMTEC-SSA Management courses



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