Manufacturing Technology Training
An IMTMA initiative

Laser Cutting
Date : 17 November, 2025
Venue : IMTMA Technology Centre, Pune

INTRODUCTION

Over last 3 decades Laser Cutting in Manufacturing have been growing steadily. From costly, esoteric research subject Lasers have almost become a much cheaper and readily available commodity. To cover various aspects of Laser Cutting Technology IMTMA is organizing a one day course to systematically cover the fundamentals, technologies, equipment and management aspects.

FOCUS AREAS

- Laser Fundamentals
- Where and why Laser Cutting should be used
- Laser Sources and Beam Delivery optics, Carbon di oxide, Diode, Disk and Fibre Laser Sources
- Types of Laser Cutting – Sublimation Cutting, Fusion Cutting and Laser-Flame Cutting
- Laser Cutting for different materials
- Laser Cutting Machines / Robots – Features, support systems and maintenance issues
- Quality aspects and defects of Laser Cutting
- Locus Cutting

KEY TAKE AWAYS

- Comparison of Laser Cutting with Waterjet Cutting
- Economics and Configurations of Laser Machines
- Autonesting for 2D Plate Cutting
- Laser Cutting as post operation of Hot Forming
- Maintenance and safety aspects of laser machine
- Process Automation

PARTICIPATION FEE

Rs. 6600/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 260/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

- Sheet Part and plastic part / Assembly Designers
- Quality personnel
- Automation Providers
- Equipment makers and sales personnel
- Young Technology Aspirants
- Vendor development and Quality personnel

FACULTY

This programme will be conducted by **Mr. Avinash Khare** .

Mr. Avinash Khare is presently working as a Consultant and Head for IMTMA Pune Technology Centre for last 5 years. He has been designing, developing content and delivering wide range of Training Courses as a Faculty. He is Electrical Engineer by Qualification and he has worked for over 33 years at Tata Motors Pune in various capacities ranging from R&D in Industrial Electronics, Machine Maintenance, Technology Procurement, Head of Machine Shops, Tool Room Shop Head, Head of Die Design and Champion in Business Excellence. He has taught Instrumentation and Bio-Medical Instrumentation at Pune University as part-time faculty

For Registration Contact

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.