Manufacturing Technology Training
An IMTMA initiative

Laser Cutting, Welding, Marking, Ablation, Texturing, Honing and Hardening

Date : 24 to 25 April, 2025

Time : 1340 Hrs to 1700 Hrs (Online Mode)

INTRODUCTION

Over last 3 decades the diverse Laser Applications in Manufacturing have been growing in variety as well as scale of deployment. From costly, esoteric research subject Lasers have almost become a much cheaper and readily available commodity. To cover the vast range of applications IMTMA is organizing a two half days of webinar to systematically cover the fundamentals, technologies, equipment and management aspects of harnessing Lasers practically in Indian Industries.

FOCUS AREAS

- Laser Fundamentals
- Laser Sources and Beam Delivery optics
- 2D and 3D Laser Cutting of sheet metals
- Laser Ablation of Plastics
- Laser Welding of sheet metals and plastics (transparent and non-transparent)
- Laser Marking
- Laser Texturing and Honing
- Laser Hardening and Cladding

KEY TAKE AWAYS

- Comparison of Laser Cutting with Waterjet Cutting
- Economics and Configurations of Laser Machines
- Laser Applications in Industrial manufacturing
- Lasers in Hot Forming
- Maintenance and safety aspects of laser machine
- Process Automation

FEE PER PARTICIPANT (PER LOGIN)

Rs. 7500/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 300/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 30% 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 program will be conducted by **Mr. Avinash Khare.**

Mr. Avinash Khare, is presently working as a Consultant 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 with an online advance payment is must. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.