

## 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
- Autoneesting 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

**Santosh Singh**  
**Programme Coordinator**  
9021442692  
[santosh@imtma.in](mailto:santosh@imtma.in)  
**Back End Operations**  
9742626488  
[enquiry@imtmablr.com](mailto:enquiry@imtmablr.com)

### Contact Address

**INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION**  
12/5, D-1 Block, MIDC, Chinchwad,  
Pune-411019  
Board Line : +91 7066030531 / 532

