Manufacturing Technology Training
An IMTMA initiative

Joining Techniques for sheet parts and their automation
Date : 23 May, 2025
Time : 1340 Hrs to 1700 Hrs (Online Mode)

INTRODUCTION

Almost 40 percent of manufacturing in Engineering Industries involve use of sheet metal parts and most sheet metal products involve joining of one or more sheet parts. There are hardly any courses or readily available literature where all diverse technologies of joining are systematically presented , compared along with equipment, process, latest technology developments, automation, possible defects and remedies; to fulfil this requirement IMTMA is coming up with this half day webinar for the benefit of range of industries cutting across sectors and technology enthusiasts and aspirants alike.

FOCUS AREAS

- Spot Welding, Projection Welding, Nut & Stud Welding
- TIG Welding / MIG Welding
- Plasma Welding
- Cold Metal Transfer
- Laser Welding and Laser Remote Welding
- Riveting
- Interlocking
- TOX Clinching
- Hemming
- Friction Drill

KEY TAKE AWAYS

- Joining process and equipment
- Difficulties in joining Aluminium Sheets to Mild Steel
- Difficulties in joining AHSS material and hot formed parts
- Importance of using fixtures and positioners
- As programmed and adaptive automation, seam tracking
- Possible defects and distortions in joining

FEE PER PARTICIPANT (PER LOGIN)

Rs. 3750/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 150/-
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 / Assembly Designers
- BIW Assembly / Quality personnel from automotive sector
- Sheet Part / Assembly Manufacturing and 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.

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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.