Manufacturing Technology Training
An IMTMA initiative

Design and processing techniques for Sheet metal parts
Date : 24 to 25 March, 2025
Time : 1340 Hrs to 1700 Hrs (Online Mode)

INTRODUCTION

Sheet metal parts are used extensively in Automobiles, Electronics, Consumer goods and many other products. Sheet metal parts need to be designed for form, functionality and aesthetics whilst keeping in mind the formability of these parts using press tools. Most sheet metal parts are mass produced for which press tools are used. Overlooking the production feasibility of production of metal parts can lead to unwanted design changes and lead to longer product development cycles. Hence knowledge of sheet metal materials, press tools, processing techniques and production feasibility becomes essential for sheet metal part designers.

Keeping this in view, Indian Machine Tool Manufacturers' Association is organizing a training program on **“Design and processing of sheet metal parts”.**

FOCUS AREAS

- Introduction to Sheet Metal Part Design
- Introduction to Sheet Metal Processes
- Pressing Terminologies
- Design Guide Lines for Manufacturability of Sheet Metal Parts
- Design Guide Lines for Maximum Material Utilization
- Design Guide Lines for Part Features like Holes, Slots etc.
- Design Guide Lines for Parts made of Hot and Cold rolled Sheets
- Bending and Drawing
- Finishing of Sheet Metal Parts

KEY TAKE AWAYS

At the end of the program, the participants shall be able to:

- Have an overview of sheet metal part design and processing
- Understand design considerations of Sheet Metal Parts with respect to Manufacturability and Maximum Material Utilization
- Learn about Design Guide Lines for Part Features like Holes, Slots etc.
- Identify processes used for finishing of sheet metal parts. Go through common defects encountered in sheet metal processing and remedies

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

FACULTY

This program will be delivered by **Mr. Ramesh Srinivasa Rao.**

Mr. Ramesh Srinivasa Rao is an experienced mechanical design engineer professional with 35+ years of work experience in the field of plastics, plastics testing, precision components, and product design. He has been responsible for mechanical design services across the Automotive, Medical, Industrial, process and consumer electronics verticals. He built, trained, and managed teams of 250 + engineers in Plastics, Injection Molds, Dies, and Die Casting Die, New Product Design, Industrial Design, Packaging, Testing, and Reliability. Currently holds seven US patents, two on medical products and four on interconnects. Handled complex projects and managed engineering operations worldwide. Previously worked for L&T Technology Services, Molex, Flextronics, National, etc.

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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.