



## 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 (IMTMA) is organizing a 2 days online programme 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
- Case studies & videos on sheet metal processing

## KEY TAKE AWAYS

- 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 parts5. Go through common defects encountered in sheet metal processing and remedies

## FEE PER PARTICIPANT (PER LOGIN)

Rs. 4000/-  
+18% GST

IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

## FACULTY

The program shall be delivered by Mr P V Dhanadan, a Professional Mould & Die tooling specialist, with over 4 decades of high quality tooling experience, received his professional qualification from NTTF, Tellichery. He underwent an Advanced Tool making training from Sanyo, Japan and AMV, Italy. He started his professional career with NTTF as a faculty. He later went on to work as Head, BPL Tool Room, Bangalore and Palakkad and at Videocon Tool Room in Auranagabad. He currently is a Technical adviser to TTK Prestige, Pigeon Appliances GRS Industries.

The program shall be co-delivered by Mr Joseph Abraham, a professional with more than 38 years of experience in Tool Designing & Manufacturing, Plastic injection Moulding, Training, Quality Management and Product design & Development. He worked as a Vice-Principal with NTTF. He has worked as a Tool Room Manager with several organizations such Balda Solutons, Malaysia, BPL Tool room, Bangalore and Tool Product Singapore. He currently provided training and tooling consultancy to several small scale industries.

### For Registration Contact

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