



INTRODUCTION

Plastic parts are found in a wide range of products such as Automobiles, Electronics, Consumer goods, Aerospace and many other products.

Plastic parts can be manufactured in extremely high volumes depending on their usage and there are different types of processing techniques to meet such requirements. Hence a plastic part designer has to keep in mind operational and manufacturing considerations while designing plastic parts. Knowledge of different material formulations alongwith efficient processing techniques helps designers to design plastic parts to meet functional and aesthetic requirements.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing a 2 days online programme on Strategies for Design and Processing of Plastic Parts.

FOCUS AREAS

- Introduction to Plastic Materials, Properties and Applications
- Injection Moulding Process, Machine and Mould Construction
- Plastics - Manufacturing Processes
- Design of part features such as wall thickness, radii, ribs, boss, snaps, threads, draft, parting line, holes and undercuts
- Design with respect to manufacturing such as part integration, gate location, shrinkage, mismatch, ease of manufacturing, stiffness and tolerance
- Finishing of Plastic Parts
- Assembly Techniques of Plastic Parts
- Defects and Remedies
- Planning counter Measures

KEY TAKE AWAYS

- Have an overview of different Plastic Materials, Properties and Applications
- Understand design considerations of plastic product features
- Go through common defects encountered in plastics processing and remedies

FEE PER PARTICIPANT (PER LOGIN)

Rs. 4000/-

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

+ 18% GST

FACULTY

This programme will be conducted by **Mr. P V Dhanadan & Mr. Joseph Abraham.**

Mr. P V Dhanadan is 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.

Mr. Joseph Abraham is 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.

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