Manufacturing Technology Training
An IMTMA initiative

Advanced Concepts in Injection mould design
Date : 21 to 23 March, 2022
Time : 1340 Hrs to 1700 Hrs (Online Mode)

INTRODUCTION

Injection Mould making has evolved over the years and is a competitive business today. Tool rooms often find that there are profitability concerns, whilst not being able to meet delivery requirements sometimes. Add to this, there are issues of rework on the mould, if the mould does not deliver the expected outcome in the first trial. The list of such challenges in mould manufacturing seems endless and only the most efficient mould manufacturers survive well.

Such a competitive scenario often leads to reduced and tighter product life cycle timelines. Newer and efficient mould design practices become very essential for survival in the business. The mould design being a crucial phase, can directly affect the lead time for delivery as well as quality. If the designs are robust and developed using Design for manufacturability (DFM) concepts, then the mould design and manufacturing could become more efficient, with minimal modifications and reduced trials.

Keeping this in mind, IMTMA is conducting an online training program on **Advanced concepts in Injection mould design**.

FOCUS AREAS

- Collecting the right inputs for efficient mould design
- Systematic mould design and documentation
- Plastic materials and processing techniques
- Major moulding defects and remedies in plastic parts
- Hot runner moulding and advantages
- Side core and side cavity moulds
- In-mould decoration and in-mould labelling
- Emerging moulding techniques (2K/Gas-Assist)
- Examples of proven complex mould designs
- Design driven mould manufacturing
- Plastic part and Mould costing techniques.

KEY TAKE AWAYS

After undergoing the programme, partcipants will be able to -

1. Understand and implement Systematic Mould Design Procedure for first time right designs
2. Gain Knowledge of Plastic materials and processing which affects the mould design
3. Improve mould design confidence after viewing complex proven designs
4. Get Exposure to the emerging moulding techniques
5. Learn about the expectations of a mould Designer in controlling the cost and mould manufacturing lead time.

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 : 20% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company

PARTICIPANT PROFILE

This will be an advanced level programme and the participants need to be familiar with basics of mould design.
This programme is specifically designed for Mould designers of Tool rooms manufacturing Plastic Injection Moulds. Junior design engineers will be able to appreciate the approach followed for making efficient mould designs.

FACULTY

The program shall be delivered by **Mr Joseph Abraham**.

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 also worked as a Tool Room Manager with several organizations such as Balda Solutions, Malaysia, BPL Toolroom, Bangalore and Tool Product Singapore. He currently provides training and tooling consultancy to several small scale industries.

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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.