

TWO PLATE MOULD DESIGN

COURSE OVERVIEW

This course is designed to provide participants with the fundamental knowledge in plastic mould construction and design. The scope emphasizes on a two plate mould design, where participants engage in practical activities to design a plastic product and mould using CAD system. A guided session for mould design is helpful to help participants produce part and mould design during the course duration. This approach covers aspects of feed, ejection and cooling systems, identifying parting lines and surfaces, calculations for determining shrinkage, plasticizing capacity, clamping force and cycle time.

COURSE OBJECTIVES

Upon completion of this course, participants will be able to :

- Explain different types of terminology and systems used in mould construction
- Explain different types of plastic material and their applications.
- Calculate injection moulding capacity and parameters.
- Calculate the size of core and cavity when considering the shrinkage value.
- Design plastic product and two plate mould.

THE UNIQUENESS OF THIS COURSE

- Practical activities for example product and mould design in CAD approach, demo on mould operation.
- Experienced trainers in the field of plastics and processing industry.

WHO SHOULD ATTEND

Target Group: Product designers, Design engineers, Tooling engineers, Assistant Engineers, Draftsperson.

KEY TOPICS

- General Mould Construction
- Feed Systems
- Ejection System
- Ejection Method
- Parting Surfaces
- Shrinkage
- Injection Moulding Calculation
- Material Selection
- Property of Plastic Material
- Temperature Controlling of Mould
- Designing an Injection Mould – A Guided Learning Session

METHODOLOGY

Consist of theory contents and practical sessions, lessons delivery is via lectures, demonstration and group activities.

COURSE DURATION

3 Days

PRE-REQUISITE

Basic knowledge in Injection Moulding. Knowledge in CAD.

CERTIFICATION

Certificate of attendance will be issued to those who fulfill 80% of attendance.

Minimum participants: 6 persons

For further details, please contact:

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