

COURSE TITLE : PLASTIC PRODUCT ANALYSIS

COURSE OVERVIEW

This course provides introduction to plastic flow analysis. Analysis process is important to provide accurate conditions of plastic processing in mould design and injection moulding. Clamping force, injection pressure, temperature and fill time can be estimated via simulation, as well as potential defects. Designers and moulders can now predict results and optimize the mould design and process to produce quality parts.

COURSE OBJECTIVES

At the completion of this course, participants will be able to :

- Understand meshing techniques involved in CAE
- Prepare part setup prior to analysis.
- Prepare gate, runner and cooling for analysis.
- Interpret the result to reflect on the product design and tooling.

THE UNIQUENESS OF THIS COURSE

- Practical training approach simulation based CAE
- Experienced trainers mould making.

WHO SHOULD ATTEND

This course is designed to those who are related to the manufacturing and product design industry.

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TARGET GROUP

Design engineers, Tooling engineers, mould maker, polymer technologist, technicians and technical trainers.

KEY TOPICS

- Introduction to Plastics and Injection Moulding Process
- Meshing Techniques
- Gate setup
- Runner setup
- Cooling channel
- Generating reports

METHODOLOGY

Consist of practical activity with plastic flow analysis software, lessons delivery is via demonstration, practical and discussions.

COURSE DURATION

3 Days

PRE-REQUISITE

Participants should have basic plastic or mould making knowledge and experience in CAD software.

CERTIFICATION

Certificate of attendance will be issued to those who successfully completed the course.

Minimum participants: 6

