

FUNDAMENTALS OF MOULD TECHNOLOGY



COURSE OVERVIEW

This course is designed to provide participants with the fundamental knowledge in plastic materials and processing. An emphasis is given to the plastic injection moulding process, where majority of the plastic industry are concentrated in this area. Characteristics of major plastic materials are explained with theoretical approach. Common plastic processing techniques in manufacturing are explained to give a broad idea of available methods, for example injection moulding, extrusion, blow moulding. The course also provides key information on basic mould construction and design, including common terminologies used in injection moulding.

COURSE OBJECTIVES

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

- Classify different types of plastic materials and plastic additives
- Identify and explain types of plastic processing commonly practiced by industries
- Identify types of plastic injection mould constructions.

THE UNIQUENESS OF THIS COURSE

- The training approach is different to attract class participation during lectures.
- Experienced trainers in the field of plastics and processing industry.

WHO SHOULD ATTEND

The course is designed for those related to the Plastic Mould Industry.

Target Group: Product designers, Design engineers, Tooling engineers, Line supervisors and Technicians, QC staff and Mould setters.

KEY TOPICS

- Plastic Materials
- Characteristic of Plastics
- Additives
- Uses of Plastic
- Categories of Plastics
- Plastic Processing
- Injection Moulding
- Extrusion Moulding
- Calendering
- Blow moulding
- Thermoforming
- Compression Moulding
- Transfer Moulding
- Basic Injection Moulding and Terminology
- Mould construction and their function, 2 plate mould, 3 plate mould, Split type and Side core mould

METHODOLOGY

Consist of theory contents, lessons delivery is via lectures, discussions.

COURSE DURATION

3 Days

PRE-REQUISITE

Minimum have completed SPM/SPMV.

CERTIFICATION

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

For further details, please contact:

Marketing Section, German-Malaysian Institute (247980-K),
Jalan Ilmiah, Taman Universiti, 43000 Kajang,
Selangor Darul Ehsan, Malaysia

Tel: 03-8921 9191/9046/9322
Fax: 03-8921 9003
Email: marketing@gmi.edu.my
GPS Coordinate: N 2.934898 E 101.795711

