

TOOLING FABRICATION (METAL STAMPING)



COURSE OVERVIEW

This course is designed to provide participants with fundamental competencies in proven tooling fabrication. Participants will learn about die manufacturing including designing and fabrication process. Emphasis will also be on practical usage of CNC milling, heat treatment process, grinding and wire cutting machines.

COURSE OBJECTIVES

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

- Explain and recognize the stages and steps involved in die manufacturing.
- Calculate the parameters involved in die designing such as cutting forces, stripping force, selection of spring, calculation of cutting clearance and calculation of material utilization.
- Explain correct method of fabrication process using CNC Milling, heat treatment process, grinding and wire cutting machines
- Demonstrate the activity work for press operation with dies try-out.

THE UNIQUENESS OF THIS COURSE

- Hands-on practical work using actual industry tools, equipment and materials
- Training related to industrial application
- Training facilitated by Instructor with industrial background

WHO SHOULD ATTEND

Target Group: Product designers, Design engineers, Tooling engineers, Supervisors and technicians.

KEY TOPICS

- Introduction to die Manufacturing
- Fabrication Process (CNC Milling)
- Heat Treatment
- Grinding/ Wire Cutting
- Assembling and Testing

METHODOLOGY

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

COURSE DURATION

5 Days

PRE-REQUISITE

Minimum have completed SPM/SPMV

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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