

# DIE CONSTRUCTION AND DESIGN 3 (CUT AND CARRY PROGRESSIVE DIE)



## COURSE OVERVIEW

Various types and construction of dies are applied in manufacturing, particularly single and progressive dies. The highlight of this course is to expose students to various types of proven industrial progressive dies. Students are also taught the design techniques for product design, strip layout, plan of lower die, plan of upper die, sectioning views and press machine used for stamping processes and structure of progressive dies.

## COURSE OBJECTIVES

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

- Explain and recognize the stages and steps involved in die design especially in progressive die
- Calculate the parameters involves in die designing such as bending data and formula, and material thickness
- Define the design alternatives
- Design and produce simple product, metal strip blank and strip layout for progressive die

## THE UNIQUENESS OF THIS COURSE

- In-depth coverage of fundamental knowledge.
- Comprehensive example provided for better understanding
- Hand on exercises with design software
- Assistance by experienced trainers throughout the courses.

## WHO SHOULD ATTEND

This course is designed to those who are related in the metal machining operation.

Target Group: Tooling engineers, Assistant engineers, Line supervisors, Technicians, Mould setter and Machine operators.

## KEY TOPICS

- Introduction
- Stages in Progressive Die Design
- Product Design
- Blank Size design
- Strip Layout Design
- Die Design

## METHODOLOGY

Consist of theory contents, lessons delivery is via lectures and demonstration.

## COURSE DURATION

4 Days

## PRE-REQUISITE

Minimum have completed SPM/SPMV  
Fundamental Press Tool Technology  
Bending Operations and Bending Dies  
Die Construction and Design 1  
(Blanking, Piercing and Compound Die)  
Die Construction and Design 2 (Draw Die)

## CERTIFICATION

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

### For further details, please contact:

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