

# MASTERCAM MILL – BASIC

## INTRODUCTION

Learn the fundamentals of working with milling system. Participants will complete a series of 2D drawing exercises covering entity creation, geometry modification and transformation, create or move entities onto different axis millings.

Levels, import and export files from other CAD systems. You will learn how to machine a 2D part using contour, pocket, and drilling toolpaths. You will be shown how to use pocket remachining, island facing, tapered wall pocketing, tombstone programming, and how to verify the toolpaths using a solid-based toolpath verification.

## OBJECTIVES

In this training, participants will learn fundamental knowledge in CAD/CAM and CNC programming. In the training, participants will learn basic commands for simple product design from 2D to basic 3D surface modeling construction. Features of programming for CNC machining will be Drilling, Pocketing and Contouring.

## PRE-REQUISITES

Basic knowledge of Windows 95 or Windows NT and CNC machining experience.

## COURSE OUTLINE

- Introduction To CAD/CAM
- Mastercam Menu & Icons
- Toolpath Operation Manager
- Toolpath Associativity
- Basic 3D Geometry
- Generating NC Code
- Editing NC Code
- 2D Toolpath – Drilling Cycle, Machining, Contour Machining
- Geometry View & Construction
- 2D Geometry Editing
- 2D Geometry Construction
- Toolpath Verification

## DURATION

3 days (9am-5pm)

### **PETALING JAYA**

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