



MASTERCAM MULTIAXIS

Who should attend:

CNC programmer, CNC Machinist

Prerequisites:

Basic knowledge of Microsoft Windows and CNC machining experience

Duration:

3 Days

Methodology:

Practical hands-on with using computers, lecturing, discussions and case studies

Introduction

The Mastercam Multiaxis course explains how the concept and principles of programming multiaxis machining.

Objective

At the end of this program participants are expected to:

On completion of this training the participant will be able to design product drawing and create Multiaxis toolpaths focusing on Rotary, Curve, Swarf, Flow, Msurf, Port and Drill/Circle Mill. Participant will also be able to set parameters such as Cutting patterns, Tool Axis Control, Limits, Collision Control, Linking and many more related to multiaxis machining.

IME CADCAM TRAINING CENTRE SDN BHD

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MASTERCAM MULTI Axis

Key Topics

Day 1:

- Introduction to Multiaxis Machining Concepts, multiaxis machine types and machining techniques based on machine capabilities.
- Overview of Multiaxis Machine setup
- Overview of Cut Pattern, Tool Axis control and Tool tip control
- Introduction to Mastercam Multiaxis Toolpaths (Curve, Morph, Parallel and Drilling Toolpaths)
- Student Question and Answer Session on day's work

Day 2:

- Introduction to Machine Simulation
- Overview of Collision Avoidance
- Continuation of Mastercam Multiaxis Toolpaths (Flowline, Multi Surf, Project Curve, Along Curve)
- Student Question and Answer Session on day's work

Day 3:

- Continuation of Applying Mastercam Multiaxis Toolpaths to Solid Geometry
- Overview of Multiaxis Linking / Safety Zone
- Continuation of Mastercam Multiaxis Toolpaths (4th Axis Rotary Cut / Axial Cut, Rotary Advanced)
- Student Question and Answer Session on day's work

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