

FeatureMILL2.5D Fundamentals Training Syllabus

Getting Started

- Starting FeatureCAM
- New Part Document Wizard

Introduction

- Key Concepts
- Stock
- Geometry and Curves
- Part Features
- Toolpaths
- NC Code
- Customize Manufacturing

Interface

- Interface Components
- Steps Toolbox
- Part View Toolbox
- Manufacturing Results Window
- Assistance Bar
- Geometry Dialog Bar
- Status Bar
- Pull-Down Menus
- Toolbars
- Viewing in the Graphics Window
- Graphics Window
- Selecting Graphical Objects

Constructing Geometry

- Geometry Creation Toolbars
- Coordinate systems and insertion planes
- Points
- Lines
- Circles
- Arcs
- Fillets
- Trim/Extend
- Dimensions

Curve Creation

- What are curves
- Methods of creating curve
- Curve Wizard
- Importing Geometry
- Troubleshooting

Modifying Geometry and Curves

- Translate
- Rotate
- Scale
- Reflect

Exercise 1

Introduction to Features

- Concept of Features

Feature Fundamentals

- Drilled Feature
 - Selecting Circles
- Milled Feature
- Other Features
- Introduction to Feature Attributes
 - Feature Level
 - Operations Level
- Patterns
- Groups

Exercise 2

Simulation

- Simulation Toolbar
- NC Code
- Saving your Work

Feature Attributes

- Feature Properties
- Drilling Attributes
- Milling Attributes
- Facing Attributes
- Misc. Attributes
- Thread Mill Attributes

Default Attributes

- Understanding Default Attributes
- Milling Attributes
- Drilling Attributes
- Other Attributes

Tooling

- Tool Manager
- Tool Overrides
- Tool Mapping

Exercise 3

Feeds and Speeds

- Editing Feeds and Speeds

Documentation

- Operations List
- Details

Exercise 4
