SWOOD CAM without Nesting

PREREQUISITES

- SOLIDWORKS Essentials (SWOOD CAM is a SolidWorks add-in and works in conjunction with the core SolidWorks toolset)

GETTING STARTED

- Integration Inside SolidWorks
- Introduction to SWOODData
- Overview of SWOOD CAM User Interface
- Creation of Tool Libraries, Tools and Aggregates

2.5 AXIS MACHINING

- Create New Milling Program
- Types of 2.5 Axis Operations
- Automatic Recognition of Machining Features
- Interactive Recognition of Machining Features
- Saving Machining Strategies
- Simulation and Post Processing of Machining Programs

3 AXIS MACHINING

- Knit Surface Creation/Selection
- Creation of 3D Roughing and Finishing Toolpaths

REPORTING

- Generating Program Reports for Shop Floor

LENGTH

1.5 Days

DESCRIPTION

- The course enables students to learn the SWOOD CAM interface and best practices. More specifically, users will learn to create machine tools and aggregates, program machinable features both automatically and interactively, and learn 4th and 5th axis programming. In addition, training items include toolpath simulation, post processing, generating shop reports and SWOOD CAM Nesting capabilities (additional module).

4 AXIS MACHINING

- Origin Positioning
- Creation of Inclined Planes
- Tool Diving Directions
- 4 Axis Toolpaths

5 AXIS MACHINING

- Origin Positioning
- 3D Roughing and Finishing using B Axis Coordinates
- Additional 5 Axis Toolpaths

TIPS AND TRICKS

- Troubleshooting
- Creating a SWOODRx for Support Requests

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