## cadmicro swood

## ENABLING INNOVATION CHALLENGE THE STATUS QUO

**SWOOD CAM** 

PREREQUISITES	LENGTH	DESCRIPTION
<ul> <li>SOLIDWORKS Essentials (SWOOD CAM is a SolidWorks add-in and works in conjunction with the core SolidWorks toolset)</li> <li>GETTING STARTED</li> </ul>	2 Days	<ul> <li>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).</li> </ul>
<ul><li>Integration Inside SolidWorks</li><li>Introduction to SWOODData</li><li>Overview of SWOOD CAM User Interface</li></ul>		4 AXIS MACHINING
<ul> <li>Creation of Tool Libraries, Tools and</li> </ul>		Origin Positioning
Aggregates		Creation of Inclined Planes     Tool Diving Directions
2.5 AXIS MACHINING		<ul><li>Tool Diving Directions</li><li>4 Axis Toolpaths</li></ul>
<ul> <li>Create New Milling Program</li> </ul>		
<ul> <li>Types of 2.5 Axis Operations</li> </ul>		5 AXIS MACHINING
<ul> <li>Automatic Recognition of Machining</li> </ul>		<ul> <li>Origin Positioning</li> </ul>
Features		<ul> <li>3D Roughing and Finishing using B Axis Coordinates</li> </ul>
<ul> <li>Interactive Recognition of Machining Features</li> </ul>		<ul> <li>Additional 5 Axis Toolpaths</li> </ul>
Saving Machining Strategies		NESTING MODULE
<ul> <li>Simulation and Post Processing of</li> </ul>		
Machining Programs		Overview of Nesting Interface
3 AXIS MACHINING		<ul> <li>Board Library Configuration</li> <li>Nesting Parameters/Configuring Parameters</li> </ul>
		<ul> <li>Generating Report for Shop Floor</li> </ul>
<ul> <li>Knit Surface Creation/Selection</li> </ul>		
<ul> <li>Creation of 3D Roughing and Finishing Toolpaths</li> </ul>		TIPS AND TRICKS
		<ul> <li>Troubleshooting</li> </ul>
REPORTING		<ul> <li>Creating a SWOODRx for Support Requests</li> </ul>
<ul> <li>Generating Program Reports for Shop Floor</li> </ul>		
		SWOOD
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