cadmicro **SOLIDWORKS TRAINING**

ENABLING INNOVATION
CHALLENGE THE STATUS QUO

SOLIDWORKS CAM PROFESSIONAL

PREREQUISITES	LENGTH	DESCRIPTION
▪ Experience with the SolidWorks design software and Windows operating system. Completion of SOLIDWORKS CAM Standard training class.	2 Days	▪ This course teaches how to use the SOLIDWORKS CAM Professional software to machine parts utilizing advanced functionality such as: CAM or SOLIDWORKS configurations, VoluMill, mill machining in the context of an assembly, and 3 + 2 machining. The course also teaches how to generate, modify and post process 2 axis turning tool paths Jsed for the machining of SOLIDWORKS part files.

▶ SOLIDWORKS CAM CONFIGURATIONS

- SOLIDWORKS CAM Configurations
- Case Study: Using Configurations
- Exercise l: Generate Tool paths for Part Configurations

▶ HIGH SPEED MACHINING (VOLUMILL™)

- VoluMill Overview
- Case Study: Using VoluMill
- Exercise 2: Create VoluMill Toolpaths

▶ ASSEMBLY MACHINING

- SOLIDWORKS CAM Assembly Mode
- Case Study: Assembly Machining - Multiple Parts
- Case Study: Assembly Machining Using a Vise
- Case Study: Assembly Machining Split Instance
- Exercise 3: Assembly Mode Machining
- Exercise 4: Assembly Mode Multi-vise Machining
- Exercise 5: Assembly Mode Split Instance

▶ 3 PLUS 2 MACHINING

- 3 Plus 2 Machining (Indexing)
- Case Study: 3 Plus 2 - Part Machining
- Case Study: Assembly Machining with a Tombstone
- Exercise 6: 3 Plus 2 Machining

▶ TURNING BASICS

- SOLIDWORKS CAM Turning
- Case Study: Generate Tool paths and NC Code
- Case Study: Interactive Features and Operations
- Exercise 7: Basic Turning Process
- Exercise 8: Interactive Turn Features

▶ CHUCKS, ID FEATURES & OPERATIONS

- Section Method
- Case Study: Using Plane Section
- Double Chucking
- Case Study: Using Double Chucks
- Exercise 9: Chucks, ID and OD Features

▶ MODIFYING FEATURE & OPERATION PARAMETERS

- Case Study: Custom Chuck, OD and Thread Features
- Editing Tool paths
- Exercise 10: Modifying Features and Operations

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