SOLIDWORKS CAM PROFESSIONAL

**PREREQUISITES**
- Experience with the SolidWorks design software and Windows operating system.
- Completion of SOLIDWORKS CAM Standard training class.

**LENGTH**
- 2 Days

**DESCRIPTION**
- 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 toolpaths used for the machining of SOLIDWORKS part files.

**SOLIDWORKS CAM CONFIGURATIONS**
- SOLIDWORKS CAM Configurations
- Case Study: Using Configurations
- Exercise 1: Generate Toolpaths 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 Toolpaths 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 Toolpaths
- Exercise 10: Modifying Features and Operations