# SOLIDWORKS CAM Professional

**Length: 2 Days**

**Prerequisites:** Experience with the SOLIDWORKS design software. Experience with the Windows® operating system. Completion of SOLIDWORKS CAM Standard training class.

**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 plus 2 machining. Additionally, the course teaches how to generate, modify and post process 2 axis turning toolpaths used for the machining of SOLIDWORKS part files.

## Course Syllabus

**Introduction**

- About This Course
- Windows
- Use of Color
- More SOLIDWORKS Training Resources

**Lesson 1 - SOLIDWORKS CAM Configurations**

- SOLIDWORKS CAM Product Review
- SOLIDWORKS CAM Configurations

**Lesson 2 - High Speed Machining (VoluMill™)**

- VoluMill™ Overview

**Lesson 3 - Assembly Machining**

- SOLIDWORKS CAM Assembly Mode

**Lesson 4 - 3 Plus 2 Machining**

- 3 Plus 2 Machining (Indexing)

**Lesson 5 - Turning Basics**

- SOLIDWORKS CAM Turning
- Process Overview

**Lesson 6 - Chucks, ID Features and Operations**

- Section Method

**Lesson 7 - Modifying Features and Operation Parameters**

- Custom Chuck, OD and Thread features
- Editing Toolpaths

**Lesson 8 – Probing**

- Introduction to Probing
- Probe Operation

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