



SOLIDWORKS / CAM

STANDARD AND PROFESSIONAL BUNDLE

This training bundle includes SOLIDWORKS CAM Standard and SOLIDWORKS CAM Professional.

SOLIDWORKS CAM STANDARD LESSON PLAN

SOLIDWORKS CAM BASICS & USER INTERFACE

- What is SOLIDWORKS CAM?
- User Interface and Process Overview
- Case Study: Generate Toolpaths and NC Code
- Exercise 1

AUTOMATIC FEATURE RECOGNITION & OPERATIONS

- Working with Features, Operations and Toolpaths
- Case Study: Working with Features, Operations and Toolpaths
- Exercise 2

INTERACTIVE FEATURE RECOGNITION

- Interactive Feature Creation
- Case Study: AFR and IFR Feature Creation
- Case Study: IFR 2.5 Axis Feature and Operations
- Case Study: IFR 2.5 Axis Feature Selections
- Exercise 3

INTERACTIVE OPERATIONS

- Interactive 2.5 Axis Mill Operations
- Case Study: Interactive Operation Creation
- Case Study: Create Operations
- Save Operation Plan
- Machining Similar Features
- Case Study: Combine Operations
- Adding Avoid and Contain Areas
- Exercises 4-6

PATTERN FEATURES

- Patterning
- Case Study: Create Linear, Circular and Sketch Driven Patterns
- Exercise 7

ADVANCED FEATURES AND OPERATIONS

- Advanced Feature Creation
- Case Study: Engrave Feature Creation
- Case Study: Multi-stepped Hole Machining
- Case Study: Corner Round and Chamfer Machining
- Case Study: User Defined Tool Creation
- Case Study: Multi Surface Feature Creation
- Exercises 8-10

CUSTOMIZING THE TECHNOLOGY DATABASE

- SOLIDWORKS CAM Technology Database
- Case Study: TechDB Add Machine
- Case Study: TechDB Add Tool
- Case Study: TechDB Create and Apply Strategy
- Exercise 11

APPENDIX

- Considerations for Waterjet, Plasma and Laser Machining
- Tolerance Based Machining

QUESTIONS?

Please contact your account manager
or email: training@goengineer.com

CUSTOM TRAINING

We also offer specialized and on-site
training option

SOLIDWORKS CAM PROFESSIONAL LESSON PLAN

SOLIDWORKS CAM CONFIGURATIONS

- SOLIDWORKS CAM Product Review
- SOLIDWORKS CAM Configurations
- Case Study: Using Configurations
- Case Study: Working With CAM Configurations
- Exercise 1

HIGH SPEED MACHINING (VOLUMILL™)

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

ASSEMBLY MACHINING

- SOLIDWORKS CAM Assembly Mode
- Case Study: AM Using a Vise
- Case Study: AM Programming with Subroutines
- Case Study: AM Multiple Parts
- Case Study: AM Split Instance
- Exercise 3
- Exercise 4
- Exercise 5

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

TURNING BASICS

- SOLIDWORKS CAM Turning
- Process Overview
- Case Study: Generate Toolpaths and NC Code
- Case Study: Interactive Features and Operations
- Exercise 7
- Exercise 8

CHUCKS, ID FEATURES AND OPERATIONS

- Section Method
- Case Study: Using Plane Section
- Case Study: Using Double Chucks
- Exercise 9

MODIFYING FEATURE AND OPERATION PARAMETERS

- Case Study: Custom Chuck, OD and Thread Features
- Exercise 10

PROBING

- Introduction to Probing
- Probe Operation
- Case Study: Probing Operations - Part 1
- Case Study: Probing Operations - Part 2
- Case Study: Probing Operations - Part 3
- Exercise 11

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