

SOLIDWORKS CAM Standard

Course Outline

 DURATION/TIME 2 Days 9:00 am - 5:00 pm	 METHODOLOGY Practical hands-on with using computers, lecturing, discussions and case studies.
 PREREQUISITES Experience with the Windows™ Operating System. Experience with the SOLIDWORKS design software.	 TARGET Application Engineer, R&D Engineer, Product Designer or Engineer, and Industrial Engineer

INTRODUCTION

This course teaches how to use the SOLIDWORKS CAM Standard software to generate, modify and post process 2.5 axis milling toolpaths used for the machining of SOLIDWORKS part files.

OBJECTIVE

At the end of this program participants are expected to:

- Understand the basics and user interface of SOLIDWORKS CAM.
- Define and generate the process for creating and post processing toolpaths for 3D models.
- Able to do operation modifications using Automatic Feature Recognition (AFR) and Interactive Feature Recognition (IFR)
- Describe how to interactively create operations.
- Apply features and areas control based on requirements

CONTACT

IME CADCAM RESOURCE CENTRE SDN BHD 200301003284 (605704-H)
formerly known as IME CADCAM TRAINING CENTRE SDN. BHD. | A Member of IME Group of Companies - Certified ISO 9001:2015 QMS

 www.training.cadcam.com.my

 training@cadcam.com.my

 +6019-659 2186



SOLIDWORKS CAM Standard

DAY 1

Course Outline:

Lesson 1: SOLIDWORKS CAM Basics and User Interface

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

Lesson 2: Automatic Feature Recognition (AFR) and Operation Modification

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

Lesson 3: Interactive Feature Recognition (IFR)

- Interactive Feature Creation
- Case Study: AFR and IFR Feature Creation
- Case Study: IFR 2.5 Axis Feature and Operation Creation
- Case Study: IFR 2.5 Axis Feature Selection Filters

Lesson 4: Interactive Operations

- Interactive 2.5 Axis Mill Operations
- Case Study: Interactive Operation Creation
- Case Study: Create Operations
- Save Operation Plan
- Case Study: Save Operation Plan

Lesson 5: Merging Features and Operations

- Machining Similar Features
- Case Study: Combine Operations
- Case Study: Combine Selected Operations

CONTACT

IME CADCAM RESOURCE CENTRE SDN BHD 200301003284 (605704-H)

formerly known as IME CADCAM TRAINING CENTRE SDN. BHD. | A Member of IME Group of Companies - Certified ISO 9001:2015 QMS

 www.training.cadcam.com.my

 training@cadcam.com.my

 +6019-659 2186



SOLIDWORKS CAM Standard

DAY 2

Course Outline:

Lesson 6: Avoid and Contain Areas

- Adding Avoid and Contain Areas
- Case Study: Add Avoid Areas

Lesson 7: Pattern Features and Mirror Toolpaths

- Patterning
- Case Study: Create Linear, Circular and Sketch Driven Patterns
- Case Study: Mirror Toolpaths

Lesson 8: Advanced Features and Operations

- Advanced Feature Creation
- Case Study: Engrave Feature Creation
- Case Study: Curve Feature Creation
- Case Study: Multi-stepped Hole Machining
- Case Study: Tap and Thread Mill
- Case Study: Corner Round and Chamfer Machining
- Case Study: Multi Surface Feature Creation

Lesson 9: Customizing the Technology Database

- SOLIDWORKS CAM Technology Database (TechDB)
- Case Study: User Defined Tool Creation
- Case Study: TechDB Add Machine
- Case Study: TechDB Add Tool
- Case Study: TechDB Create and Apply Strategy

CONTACT

IME CADCAM RESOURCE CENTRE SDN BHD 200301003284 (605704-H)
formerly known as IME CADCAM TRAINING CENTRE SDN. BHD. | A Member of IME Group of Companies - Certified ISO 9001:2015 QMS

 www.training.cadcam.com.my

 training@cadcam.com.my

 +6019-659 2186

