

CAMWorks 2.5 Axis Essentials

Length: 3 Days

Prerequisites: Experience with the SOLIDWORKS design software. Experience with the Windows® operating system. Experience with CNC Machining.

Description: This course is intended to teach the user how to use CAMWorks to create 2.5 axis toolpaths for the machining of parts and assembly files created in SOLIDWORKS for CNC mills.

Course Syllabus

Introduction

- About This Course and Manual
- Prerequisites
- Lab exercises
- Course Length
- Training files
- Technology Database for this course

Lesson 1 - CAMWorks Basics and User Interface

- What is CAMWorks?
- User Interface
- Process Overview

Lesson 2 - Multi-Surface Features

- Feature-Based machining
- Automatic Feature Recognition

Lesson 3 - AFR Options and Interactive Feature Recognition

- Automatic Feature Recognition Options
- Interactive Feature Recognition

Lesson 4 - Inserting operations, Common Operation Parameters

- Interactive 2.5 Axis Operations

Lesson 5 - Hole Operations

- Hole Features
- Strategy
- Thread Parameters

Lesson 6 - Patterns and Mirrors

- Patterning

Lesson 7 - Assembly Mode

- Assembly Mode
- Process overview with Assemblies

Lesson 8 – Customizing CAMWorks

- CAMWorks Technology Database





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