CADIMENSIONS

CAMWorks Turn and Mill/Turn Essentials

Length: 3 Days

Prerequisites: Students attending this course are expected to have the following:

- CAMWorks 2.5 axis training (SOLIDWORKS CAM Standard Training)
- Experience with SOLIDWORKS Design Software
- Experience with CNC Machining

Description: This course is intended to teach the user how to use CAMWorks to create toolpaths for the machining of part and assembly files created in SOLIDWORKS and CAMWorks Solids for CNC Lathes.

Course Syllabus

Introduction

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

Lesson 1 - Turning Basics

- Introduction to course material
- User Interface
- Process Overview

Lesson 2 - Sub Spindle Turning

- Turning with a Sub-Spindle

Lesson 3 - Multi Turret Turning

- Programming with Two Turrets
- Programming with Two Turrets and Sub Spindle
- Programming with Three or More Turrets

Lesson 4 - Advanced Turning

- Advanced Turning Operation Parameters
- B Axis Turning

Lesson 5 – Mill Turn Basics

- Generate toolpath using CAMWorks Mill/Turn
- Rotary Axis Mode

Lesson 6 - Mill/ Turn Advanced

- Mill/Turn with Sub Spindle
- Mill/Turn Wrapped Toolpaths
- Mill/Turn with Multi Axis Operations
- Mill/Turn with Sub Spindle

Lesson 7 - Assembly Mode

- Assembly Mode Turning with Single Part
- Assembly Mode Mill/Turn with Fixture Assembly
- Assembly Mode

Appendix i – Using Custom Turn Tools

- Using Custom Tools in CAMWorks Turning
- Gang Tooling

Appendix ii – Prime Turning™

- Prime Turning™

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CERTIFED TRAINING CENTER

CADIMENSIONS TRAINING CATALOG