

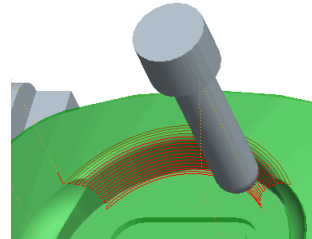
Milling using Creo Elements/Pro 5.0 (formerly Pro/ENGINEER Wildfire 5.0)

Overview

Course Code TRN-2236-T

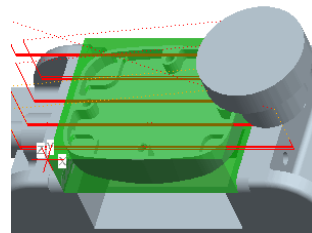
Course Length 5 Days

In this course, you will learn how to machine products using Pro/ENGINEER Wildfire 5.0 manufacturing tools. This course covers creating tool paths for 3 axis milling machines. During the course, you will learn how to complete each phase of the manufacturing process. You will start by creating manufacturing models and configuring the manufacturing environment. This will include configuring tools, fixtures, and machining operations. You will then learn how to create milling sequences and holmaking sequences, and post-process cutter location (CL) data to create machine code. After completing the course, you will be able to create numerical control (NC) programs for milling machines and post-process cutter location (CL) data to create machine specific code. At the end of each module, you will complete a skills assessment. The questions are used to help reinforce your understanding of the module topics and form the basis for review of any topics, if necessary.



Course Objectives

- Understanding the manufacturing process.
- Creating and configuring manufacturing models.
- Configuring the manufacturing environment.
- Creating and modifying milling sequences.
- Creating and modifying holmaking sequences.
- Using the process manager to create NC sequences.
- Post-processing cutter location (CL) data.



Prerequisites

- Introduction to Pro/ENGINEER Wildfire 5.0 – Fundamentals (Web Based Training) or equivalent experience.

Audience

- This course is intended for manufacturing engineers and NC machinists.
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Agenda

Day 1

Module 1	Introduction to Manufacturing
Module 2	Creating Manufacturing Models
Module 3	Configuring Operations
Module 4	Using Reference Models
Module 5	Using Workpiece Models
Module 6	Creating and Using NC Model Assemblies
Module 7	Creating and Configuring Workcells

Day 2

Module 8	Creating and Configuring Tools
Module 9	Using Template Manufacturing Models
Module 10	Using Manufacturing Parameters
Module 11	Creating Face Milling Sequences

Day 3

Module 12	Creating Volume Milling Sequences
Module 13	Creating Profile Milling Sequences
Module 14	Creating Straight Cut Surface Milling Sequences
Module 15	Creating From Surface Isolines Surface Milling Sequences

Day 4

Module 16	Creating Cut Line Surface Milling Sequences
Module 17	Advanced Surface Milling Options
Module 18	Creating Roughing and Re-roughing Sequences
Module 19	Creating Finishing Sequences

Day 5

Module 20	Creating Trajectory Milling Sequences
Module 21	Creating Holemaking Sequences

Module 22 Using the Process Manager

Module 23 Creating and Post-Processing CL Data Files