

# Milling Using Creo Parametric

## Training Course Description

5 day course

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### Summary

In this course, you will learn how to machine products using Creo Parametric manufacturing tools. This course covers creating tool paths for three 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, 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.

**Software:** Prismatic, Production or Complete Machining Extension

### 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 a Work Center

#### 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 Holmaking Sequences  
Module 22 Creating Engraving Sequences  
Module 23 Using the Process Manager  
Module 24 Creating and Post-Processing CL Data Files

### Recommended prerequisites for this Creo Parametric Training Course:

Introduction to Creo Parametric or equivalent  
Creo Parametric experience.

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