PowerMill 3 Axis

General Information:

Duration: 3 days

Prerequisite: Basic CNC machining knowledge

Courseware: Included

Achievement: Certificate

Time: 8:30 am – 4:30 pm

Locations: All courses are offered online, on-site, or in-person at SolidCAD training facilities across Canada, including:

Burnaby, BC
Calgary, AB
Edmonton, AB
Winnipeg, MB
Richmond Hill, ON
Montreal, QC
Quebec City, QC
Dartmouth, NS

Pricing, Registration & Scheduling: Please contact our training coordinator at 1-877-438-2231 x227 or via email at training@solidcad.ca

Complete course listing:
www.solidcad.ca/training

Course Description:

PowerMill is a standalone CAM program that allows users to create expert NC programs for 3-axis to 5-axis applications. It has become the industry standard for providing the utmost toolpath control, accuracy and efficiency for simple and complex parts.

This training program covers the fundamentals of programming 3-axis machinery using PowerMill. As a prerequisite, students should have a basic understanding of CNC equipment and terminology. Previous CAM experience is a definite asset but is not mandatory.

Upon completion, students will gain confidence in using PowerMill to create safe and efficient toolpaths, employing best practises and leveraging proper workflows from start to finish.

Learning Objectives:

- Overview of the PowerMill interface
- Importing models into the workspace
- Mouse control
- Model interrogation
- Creating and editing workplanes
- Set up for machining
- Creating tools
- 2.5D milling operations
- Drilling toolpaths
- 3d roughing applications
- Using stock models
- Introduction to boundaries
- 3d finishing strategies
- Toolpath editing
- Outputting NC code
- Using component thickness
- Recording macro's
- Saving templates