



EdgeCAM Mill 101

The course is designed to provide users with an understanding of how to use the software for programming parts requiring prismatic milling. The user will learn how to machine both solid models and wire-frame geometry models. Please note that this is a solids-based training class, with most of the classroom training spent on creating toolpath, not model geometry. For users that frequently have to draw geometry in EdgeCAM, or rely on importing DXF, DWG or IGES models, the Design class is also recommended.

Duration

3 days

Who should attend?

This courseware is designed for new or novice EdgeCAM users.

Typical Schedule

Unless otherwise noted on your class registration e-mail, this class starts each day at 9:00 am and ends at 4:00 pm.

Prerequisites

N/a

Outline

Software Functions:

- User Interface
- Browser
- Layers
- Instructions
- Features
- Toolbars
- Mouse Functions
- Coordinate Input

Geometry Construction:

- Sketching lines, arcs, and points
- Creating stock components
- Editing functions

Solid CAD Models:

- Opening solid models
- Setting program zero
- Feature recognition
- Creating manual features
- Extracting sketch geometry
- Associativity to CAD
- Processing design changes
- Design class is also recommended.

Creating Toolpath:

- Facemilling Operation
- Roughing Operation for closed pocket, open pocket, and external boss roughing
- Profiling Operation
- Flat Land Operation
- Chamfer Operation
- Hole Operation

Preparing For Machining:

- Verifying machining results using Simulator
- Tool Library System Overview
- Storing and retrieving tool data
- Creating HTML setup reports
- Generating CNC code

Working with non-solid CAD models:

- Importing DXF, DWG, IGES models
- Checking / Editing imported geometry

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