

CAMJam 2017 with RhinoCAM-MILL

© 2017 MecSoft Corporation

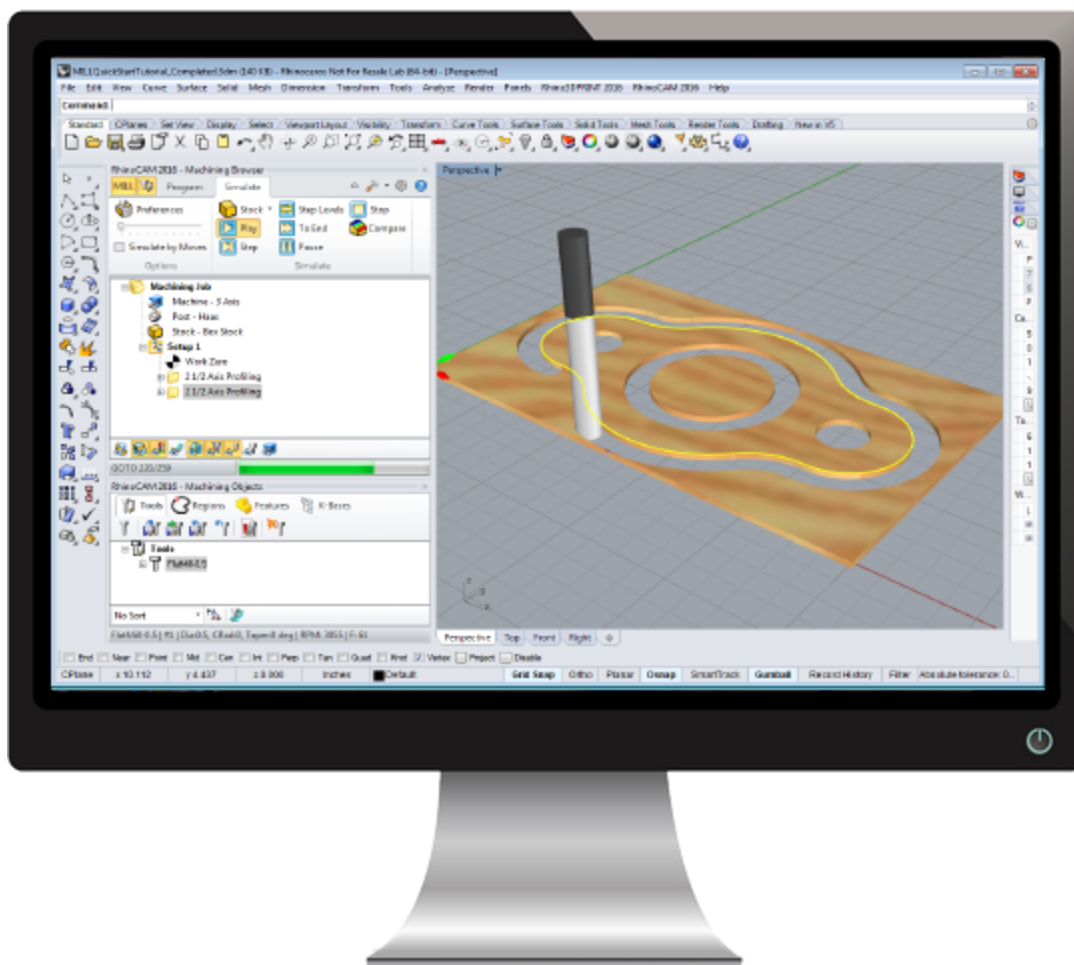


Table of Contents

Read this FIRST!	3
What's New in 2017	4
2½ Axis Machining	5
1 2½ Axis Machining Strategies.....	5
Roughing	5
Slotting	5
Index	7

Read this FIRST!

- SAMPLE CONTENT ONLY -

[CAMJam with RhinoCAM 2017-MILL](#) is the complete unscripted video archive of training sessions conducted by the support staff here at MecSoft Corporation. Each topic in the [Contents](#) (at left) contains one or more [CAMJam](#) videos explaining the use and application of [RhinoCAM 2017-MILL](#).



- **Playing Video Content**

Note: **An active internet connection is required to view these videos!**

Each topic contains video thumbnail images. Selecting the image will launch the selected video automatically and begin playing it in your default [Web Browser](#).

- **Locating Topics in Videos**

Each topic in this guide also contains a general outline of the topics discussed in the referenced video(s). These outlines are a general guide only. You can use the [Contents](#) to browse for a topic of interest. You can also use the [Index](#) tab in this guide to search for keywords of interest to display a list of topics and relevant videos.

- **Sample CAMJam Part Files**

All of the example part files used in the videos are included with this online help file. Please locate the folder where you downloaded this online help file.

Copyright © 2017 MecSoft Corporation

- SAMPLE CONTENT ONLY -

What's New in 2017

- SAMPLE CONTENT ONLY -

Compatible: 2017	Xpress ✓	Standard ✓	Expert ✓	Professional ✓	Premium ✓
---------------------	-------------	---------------	-------------	-------------------	--------------

— **Reference Videos:**

[What's New \(VisualCAM 2017 & RhinoCAM 2017\)](#)

— **Description:**

All of the 2017 enhancements are discussed in this video.

Topics:

- [Feedrate Enhancements](#)
- [Feature Detection Machining](#)
- [UI Enhancements](#)
- [Surface Selection Machining](#)
- [Slot Machining](#)
- [Miscellaneous](#)



— **See Also:**

- [Read this FIRST!](#)

- SAMPLE CONTENT ONLY -

2½ Axis Machining

3.1 2½ Axis Machining Strategies

3.1.1 Roughing

- SAMPLE CONTENT ONLY -

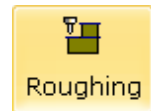
Compatible:	Xpress	Standard	Expert	Professional	Premium
2016-17		✓	✓	✓	✓

— **Reference Videos:**

[2½ Axis Roughing \(RhinoCAM 2016-17\)](#)

— **Description:**

2½ Axis Roughing is an area clear operation similar to facing & pocketing that automatically considers the extents of the defined Stock as drive regions and any selected Control Geometry by the user as part boundaries.



Topics:

- Introduction to 2½ Axis Roughing
- Selecting Control Geometry
- Feeds & Speeds
- Cutting Parameters
 - Automatically select Facing Cut Pattern based on Core Regions
 - Corner Cleanup Loop options
- Cut Level Definition
- Engage & Retract options
- Advanced Cut Parameters

— **See Also:**

- 2½ Axis Introduction
- Geometry Considerations

- SAMPLE CONTENT ONLY -

3.1.2 Slotting

- SAMPLE CONTENT ONLY -

Compatible:	Xpress	Standard	Expert	Professional	Premium
2017		✓	✓	✓	✓

— **Reference Videos:**

[2½ Axis Slotting \(VisualCAM 2017 & RhinoCAM 2017\)](#)

— **Description:**

Slotting allows you to machine open or closed slots in **2½ Axis**. Similar to **Pocketing**, you can control both the roughing and finishing depths and similar **Entry/Exit** options as well.



Topics:

- Introduction to **2½ Axis Slotting**
- **Slot Feature** machining
- **Drive Region** selection
- **Cut Parameters** discussed:
 - **Cut Direction**
 - **Location of Cut Geometry**
 - **Cut Depth Control**
- **Generate** and review the toolpath
- **Simulation**

— **See Also:**

- **2½ Axis Introduction**
- **Geometry Considerations**

- SAMPLE CONTENT ONLY -

Index

- 2 -

2½ Axis

Roughing 5

Slotting 5

- R -

Read this FIRST! 3

Roughing, 2½ Axis 5

- S -

Slotting, 2½ Axis

from Features 5

- W -

What's New 4