

# MCAM Northwest Events & News



MASTERCAM • mill • lathe • solids • router • multi-axis • VERISURF  
reverse engineering • ROMER • prototype • AIRWOLF • 3D printing  
gd&t • 3DCONNEXION • posts • custom training • metrology • wire  
cnc machine simulation • MASTER3DGAGE • iges • dnc • CIMCO  
STREAMINGTEACHER • mill-turn • step • SPACECLAIM • swiss

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[Visit Our Website](#)

## Upcoming Events

You can find our event schedule on our home page, and also keep an eye on your email for announcements - our Workshops and Webinars are **FREE** to attend! Click on the date for more info and register today!

### Friday March 11, 2016:

Workshop:  
Mastercam Dynamic Milling - this event is FULL

### Tuesday March 22, 2016:

Open House:  
Introducing the Airwolf AXIOM 3D Printer

### Tuesday May 31-Thursday June 2, 2016:

Stop by our booth at the I-90 Corridor Aerospace Expo in Coeur d'Alene, Idaho. Mike and Garrett will be tending the booth and would be happy to show you the latest manufacturing technologies available from MCAM Northwest.



## NEW! Airwolf 3D AXIOM Printer

MCAM Northwest strives to help your business be as productive and profitable as possible. We are always on the lookout for the latest and greatest in manufacturing technology, and we are proud to introduce a new product line for your consideration!

The Airwolf 3D AXIOM Printer is the first professional grade printer available under \$5,000. Easy to use with a self-leveling bed, a large fully enclosed build area, high speed, high accuracy, and the ability to print using high temperature and high strength materials, we believe the Airwolf 3D AXIOM Printer will change the way you look at printing short-run production parts and prototypes.

Sign up today for our [Open House](#), or call us to arrange a visit - we can walk you through the features here at MCAM Northwest. For those considering a purchase, we can print a test part for you! Depending on the size of the build, charges may apply.

Why Choose [Airwolf 3D](#)?



Airwolf 3D AXIOM Printer

## Mastercam 2017 Public Beta

Here are just a few of the things you'll see in the Mastercam 2017 Beta:

- **New Optimized Interface** organizes and streamlines your programming. Based on the successful "Ribbon" interface, Mastercam 2017 capitalizes on your experience with other Windows software making it easier to find the functions you need to complete your tasks.
- **Dynamic Motion** advances bring new options to our groundbreaking technique delivering toolpaths that are more efficient, less complex, travel a shorter distance and improve cycle time.
- **Expanded CAD for CAM** delivers more practical design tools for shop-floor programmers. Mastercam 2017 speeds design for items such as molds and electrode tools, offers auto-repair on imported solids and improves current tools such as Solid Disassemble.
- **Powerful** Multiaxis and Mill-Turn enhancements.
- **Streamlined** workflow with improved plane management, level and geometry control, toolpath analysis and much more.
- ...and many other productivity improvements across the entire product.



Mastercam 2017 Interface

Mastercam is looking to release a new public beta approximately once a month. Known issues, updated bug fixes, and other details will be delivered when you install the current Mastercam 2017 Beta and through the Mastercam forum.

- **System Requirements:** Mastercam 2017 requires a 64-bit versions of Windows 7, 8.x or 10. To see a full list of system requirements, please visit our requirements page. Mastercam for SOLIDWORKS also requires SOLIDWORKS 2014 or later (not included in the download). A valid license of SOLIDWORKS is available through authorized SOLIDWORKS resellers.
- **General Disclaimer:** Mastercam 2017 Public Beta provided as a part of an early access program. Although it has been extensively tested, it is not yet released and we cannot guarantee it for use in a production environment. Please use at your own risk.

Learn more and download the 2017 Public Beta from [MASTERCAM!](#)

## Mastercam Tech Tips

### SolidWORKS 2016 & Mastercam

- If you need to open SolidWORKS 2016 files in Mastercam, X9 with Update 3 is required. To check if you have Update 3 installed, go to: Help > About, it should show a Build Date of December 11, 2015. If Update 3 is not installed, go to Help > Update Mastercam to install it.

### Mastercam X9 & Mastercam for SOLIDWORKS

- Both Mastercam X9 and Mastercam for SOLIDWORKS X9 can use the same Shared Files, so they both have access to the same tool libraries, posts, reports, etc. Call us or email [support@mcamnw.com](mailto:support@mcamnw.com) for help!

### MCAM Northwest Post Processor Policies

- In order to smooth the Post process for both you as our valued customer and ourselves, new Post Processor Policies were implemented in January 2015 for creating new or modifying existing post processors. Please review them on our website [HERE](#).

## Got Probe?

Mastercam Productivity+ is an Add-On to Mastercam that allows you to program and simulate a Renishaw probe for your machine tool. This is a new solution for integrating process control into your CNC programs. Productivity+ will perform simple measurements and alignments, allowing you to set up and validate your parts at the machine tool. This leads to better process control and reporting of the performance of your machine tool.



Mastercam Productivity+

Key Features Include:

- **Predictive Process Setting** performing simple tests to ensure that a machine process will be successful.
- **Active In-Process Control** using the probe to measure features and update machining processes based on the results obtained.
- **Informative Reporting** providing information about the in-process state of a component, and about the decisions that were made when producing it.
- Creates programs which run entirely on the machine tool, including all the calculations, updates and logic which are needed.
- No external PC is required to process measurement data.

MCAM Northwest provides training and post processor customization for Productivity+. We recommend a 1-day class for 3-axis, or 2-days for 3+2 (5) axis probing. Please call us for a product demo or pricing details. We will need a list of your CNC machines you would like to create probing routines for and the number of active Productivity+ licenses.

Download the Productivity+ [PDF!](#)

## Verisurf X9 Now Available!

The latest version improves point cloud processing to make reverse engineering even easier and includes file-to-file Validate to confirm you're getting good translations. Current maintenance customers can get all the new features right away. Call us to stay ahead of your competition!

"At Verisurf our goal is to provide a comprehensive set of measurement tools so Quality and Manufacturing Engineers can effectively do their jobs. With the release of Verisurf X9 we continue to close the gaps in being able to maintain a digital thread between design, manufacturing and quality inspection, Verisurf users continue to provide practical insight necessary to help guide our software development."

- Ernie Husted, President

Read more about it at Verisurf's [BLOG!](#)



Verisurf X9 Release

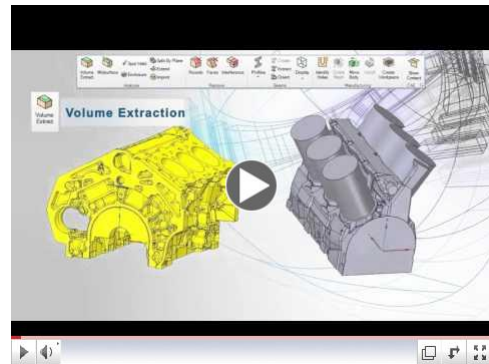
## ANSYS SpaceClaim 2016

Are you looking for ways to reduce modeling time?

Do you regularly receive CAD files with gaps between surfaces or solids that aren't water-tight and want a fast way to repair the model?

ANSYS SpaceClaim 2016 has the tools you're looking for at a price point lower than you would expect for such a powerful program. Contact us to schedule a demo of SpaceClaim before your next design project!

More videos and information [HERE!](#)



ANSYS SpaceClaim Overview

## CIMCO V8 Is Coming Soon!

Updates to CIMCO Edit will feature:

- A new interface look in style with Microsoft Office
- Will support file transfer through FTP (server and client)
- New advanced Open File dialog with search criteria on file name, file content, and created/modified dates
- Improved backplotting / more converters

V8 will bring enhancements to other popular CIMCO products as well: NC-Base, MDC-Max, DNC-Max, and more, as well as introducing a new CIMCO Software Manager!

Customers current on their CIMCO maintenance will be able to update to the new version as



CIMCO Edit

soon as it is released. Not current on maintenance, or brand new to CIMCO? Give us a call today for a quote to get you going!

Read more about the CIMCO Edit updates [HERE!](#)

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