

# ***Mastercam*** **X<sup>7</sup>** Wire

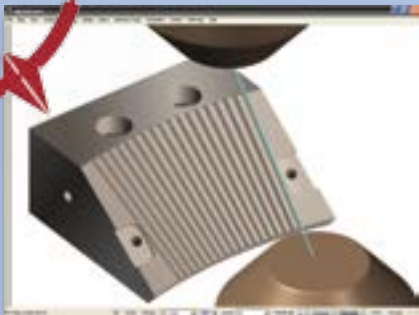


Cutting Anything. Everywhere.

# Precision Wirepaths

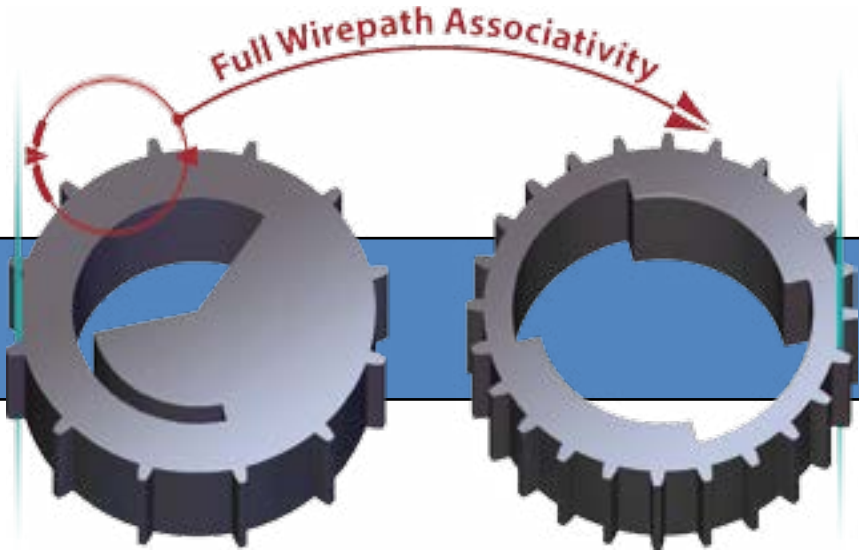
Mastercam's streamlined CAD engine makes design work easier than ever before. Each piece of geometry you create is "live," letting you quickly modify it until it's exactly what you want.

Die • Energy • Automotive • Medical • Aerospace • Consumer



*"We always provide extreme due diligence to the design, development, and manufacture of our tooling and our customers' parts. Mastercam is a big part of that."*

Chris Jordan  
Manufacturing Engineer  
Turbine Technologies, Inc.  
Farmington, CT



Mastercam creates a smart link between a part and its wirepaths. This associativity means that if there are any changes to the part, you can easily update all wirepaths.

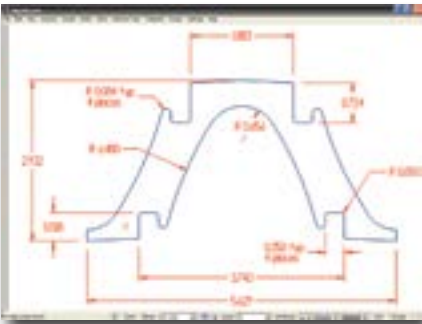
## Tools to Make Programming Easier

Efficient wire EDM cutting means more than just programming a wirepath. Mastercam Wire gives you a set of tools that impact your entire process.

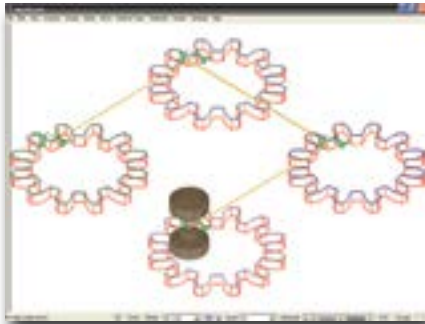
- Fully associative wirepaths are linked with your geometry. Modify any element of the job and immediately get updated wirepaths without starting over.
- Mastercam's **CAD File Change Recognition** tracks files from Mastercam or any other CAD system and will show you what's been changed for easy wirepath updating.
- User-customizable wire power libraries store power settings, control-specific information, and other registers for rough and skim passes.
- Mastercam includes support for Agie EDM with Agievision controls. Simply choose an Agievision AWF Wire Machine Definition and you'll see parameter pages that anyone familiar with Agievision will instantly recognize.
- See your part as it will come off the machine with solid model wirepath verification.



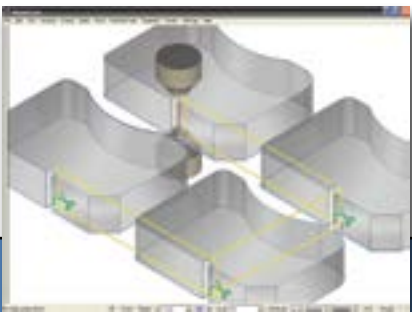
Streamlined settings help speed programming.



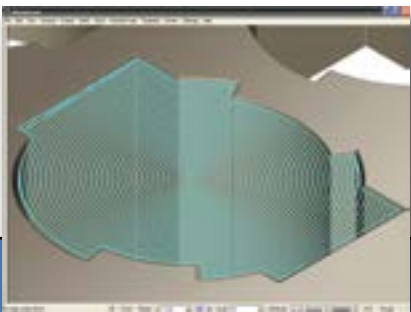
Fast, efficient CAD tools ensure quick design.



Streamline your multi-cut jobs.



Tab control makes it easy to cut multiple parts with complete control over when the tab is cut.



Run operations unattended with efficient no-core cutting.

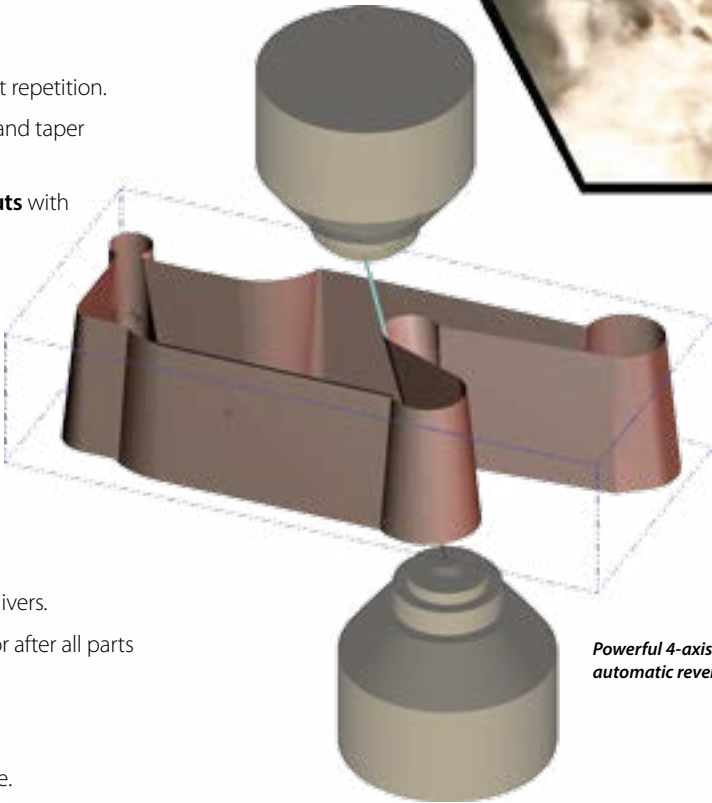


Fast 2-axis contouring.

## Efficient EDM Programming

Mastercam Wire delivers a streamlined set of programming tools, including:

- 2-axis contour, with or without taper angle.
- Efficient no-core cutting.
- 4-axis automatic or manual syncing**, and automatic skim and reverse cuts.
- 4-axis surface finish by chordal deviation.
- 4-axis interpolation support (G2/G3).
- Straight and tapered cut (with or without land) from either direction.
- Contour multiple parts using a single window selection.
- Automatic maximum taper/UV travel detection.
- Automatically create** an outside loop to ensure corners are not rounded off.
- Automatic wirepath corner filleting.
- Move and copy wirepaths for easy part repetition.
- Modify control settings, corner types, and taper angles at any point in a contour.
- Create **efficient lead-ins and lead-outs** with optional lead trimming.
- Apply tapers before or after a vertical wirepath.
- Click and dynamically drag a machining start point to anywhere on your model.
- Use wirepath filtering to significantly reduce the program size.
- Automatic tabs** with user-definable stop types.
- No Drop-Out tab option helps avoid slivers.
- Run tab cutoff passes after each part or after all parts are done.
- Easily create tabs on open contours.



Powerful 4-axis contouring with automatic reverse and skim cuts.

Go to [www.MastercamWire.com](http://www.MastercamWire.com) for more.





## Specialized Options

You may know that we offer a suite of software for wire EDM, milling, turning, router applications, and more. But we also offer a set of highly specialized Add-On options for those times when just that one additional CAD or CAM tool will make a specific job easier, faster, and more profitable. These include:

- Automated EDM electrode creation, including a library of definable stock sizes and materials.
- Automatic separation of surface model into core and cavity, including draft angle analysis and identification of problem surfaces.
- Use of point data to create surfaces or STL data for reverse engineering and manufacturing.
- Sophisticated tools for traditional blueprint and CAD-based inspection.
- Focused 5-axis programming tools tailored to cutting multi-bladed parts and cylinder head ports.
- Complete programming for complex machining robots.

See a full list at [www.Mastercam.com/Products/AddOns](http://www.Mastercam.com/Products/AddOns).



### System Requirements

- **Processor:** 32-bit or 64-bit Intel or AMD with SSE2 support.
- **Operating System:** 32-bit or 64-bit Windows 7 or Windows 8.
- **System Memory:** 2GB (32-bit OS) or 4GB (64-bit OS).
- **Hard Disk Space:** 40GB, 1GB free.
- **Graphics:** Minimum 1280 x 1024 resolution monitor, 128 MB graphics memory, OpenGL driver support.
- **Microsoft Products:** Microsoft IE v6.0 or higher, Excel and Word 2007 or higher.



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CNC software, inc.

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