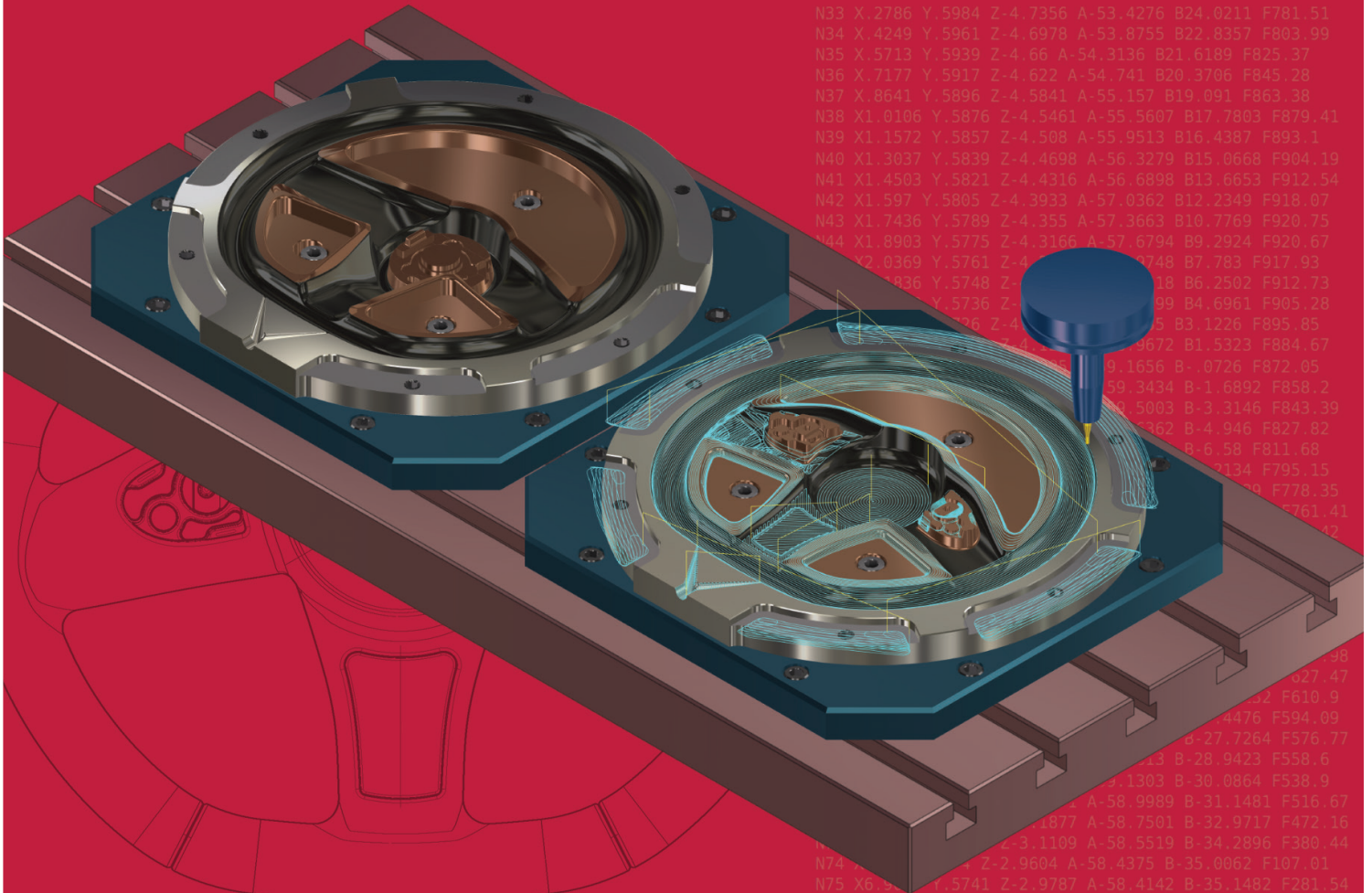


MILL

TRUST THE LEADER FOR SPEED AND CONFIDENCE.



The most widely-used CAM software in the world is the most dynamic.
Mastercam's embedded Dynamic Motion technology dramatically shortens
production times while extending the life of your machine and tools.
Mastercam Mill is rich in features yet still simple and intuitive to use.

Mastercam

POWERED BY MASTERCAM'S
DYNAMIC MOTION™ TECHNOLOGY

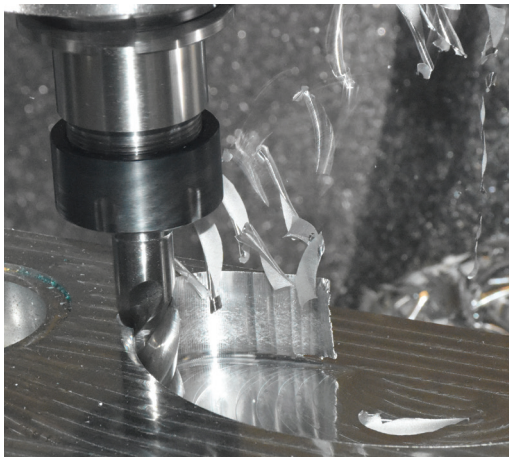




INTELLIGENT MACHINING SAVES TIME AND MONEY.

Mastercam's Dynamic Motion and Accelerated Finishing – a powerful combination.

For nearly a decade, Mastercam has been building Dynamic Motion into our software. It carves out massive amounts of material quickly while dramatically extending tool life — which immediately puts more money in your pocket. And with vendor-specific tool support and Mastercam's new Accelerated Finishing, your projects come off the machine faster and finer than ever before.



MASTERCAM IS MORE WIDELY USED THAN ANY OTHER CAM PROGRAM



Rigorously
shop tested



More experienced
programmers



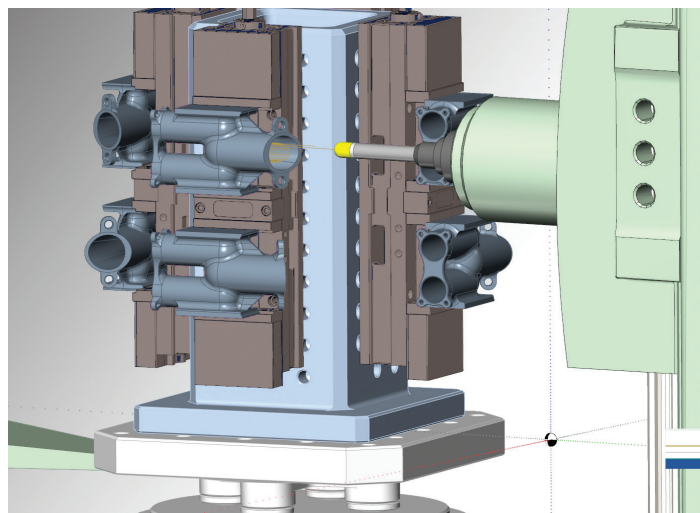
Strong support
community

Mastercam Mill has been shop-tested more than any CAM program in the world. You can count on Mastercam for real-world, proven solutions.

Flexible and expandable.

Mastercam's comprehensive design means there's always more than one way to get the job done. Once you program a part, no matter how complex, you can modify any element of the job and immediately get updated toolpaths without starting over.

You can also build a library of your favorite machining strategies. Choose any of your saved operations, apply them to a part, and Mastercam helps adapt them to the new model. Because Mastercam Mill is fully integrated CAD/CAM, it's fast, easy, and productive. The way programming should be.



Mastercam's active Stock Model, Toolpath Verification, and Simulation mean increased confidence on every project. And tool library support including CoroPlus® and MachiningCloud help you make tooling decisions fast.

SW

With your standalone license of **Mastercam Mill**, you now have the option of also running the corresponding version of **Mastercam for SOLIDWORKS**.

Mastercam[®] MILL

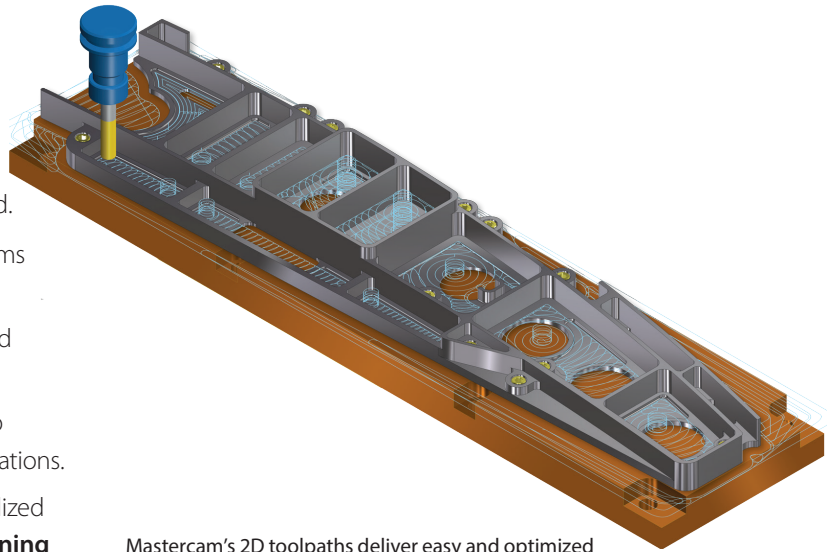
2D MACHINING

Serious 2D capability.

Your daily needs for 2D machining can range from simple to very complex. Mastercam Mill delivers the tools you need.

- **Feature Based Machining (FBM)** automatically programs prismatic solids drill holes, contours, and pockets.
- Complete and easy control of approach, start points, and entry methods.
- **Contour and pocket remachining** use smaller tools to automatically clean out material left from previous operations.
- Precision chip control for a wide set of tools, plus specialized tool support including ISCAR[®]'s **High Efficiency Machining (HEM)** tool set and more.

Dynamic Motion powers much of our 2D suite, constantly adapting to create smoother, safer motion and making better use of the entire tool. Check out Mastercam.com/dynamic to hear it directly from our customers.



Mastercam's 2D toolpaths deliver easy and optimized pocketing, contouring, drilling, facing, and much more.



The proof of any CAM software is what comes off the machine. Mastercam is crafted to help you get the best possible finish in the shortest amount of time.

3D MACHINING

Our finish is more finished.

Mastercam provides unsurpassed control on surface cuts, delivering superior finishes and optimized cycle times. Our refined 3D toolpaths give you a smooth, precision finish to please even your toughest customers.

- Cut multiple surfaces, solid models, and STL data.
- **Dramatically efficient roughing** powered by Mastercam's Dynamic Motion technology.
- Constant scallop machining maintains a consistent finish on sloped and flat surfaces alike.
- Constant-Z rest milling (remachining) identifies and machines areas to be cut with a smaller tool.
- **Hybrid finishing** creates a single toolpath that changes cut methods as the slope of the model changes.
- **Pencil tracing** walks a tool along the intersection of surfaces to clean out hard-to-reach areas.



MULTIAXIS MACHINING

Complexity simplified.

With Mastercam, you have complete control over the three crucial elements of multiaxis machining: cut pattern, tool axis control, and collision avoidance. From 4-axis rotary and roll-die cutting to multiblade impellers with tight internal cuts, Mastercam helps simplify even the most complex jobs.

Other highlights include:

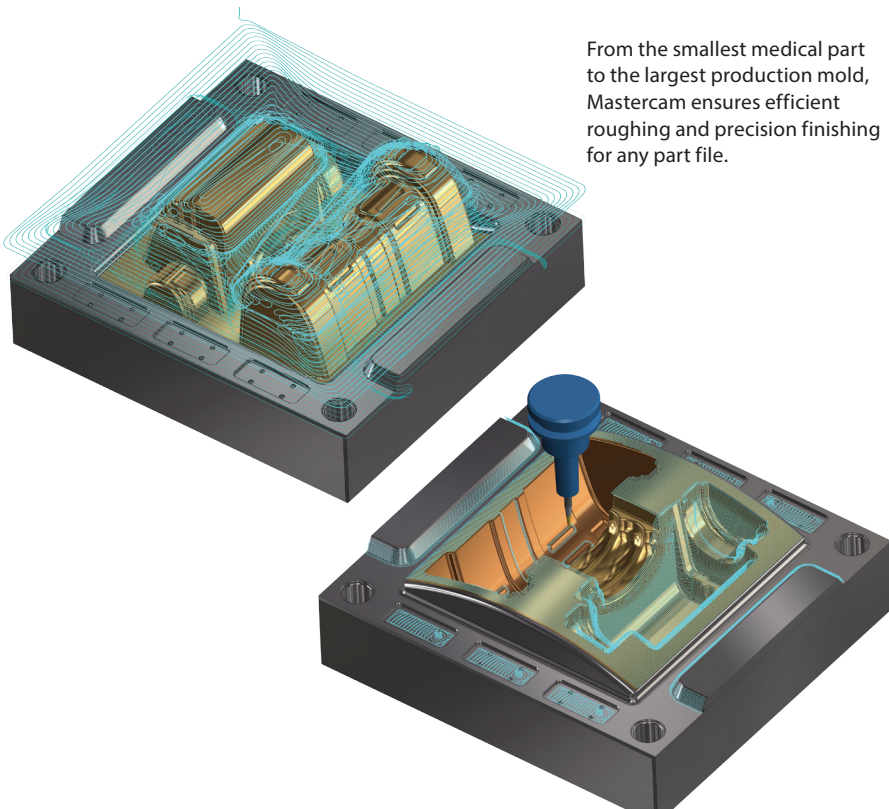
- **Multisurface 5-axis** roughing and finishing (including depth cuts), plunge roughing, and flowline machining.
- Swarf machining over multisurface floors.
- **Advanced gouge checking**, a "safe zone" around the part, and safe linking between operations.
- Fast, simple 5-axis trimming and stock-aware drilling.
- Ability to create full 5-axis motion from a 3-axis toolpath.

For specialty machining, ask about these available Add-Ons:

- **Mastercam Blade Expert** for multi-bladed parts and hubs.
- **Mastercam Port Expert** for head ports and tube-type applications.



From basic 5-axis contours to Dynamic roughing and complex finishing, Mastercam is built to streamline multiaxis programming.



From the smallest medical part to the largest production mold, Mastercam ensures efficient roughing and precision finishing for any part file.

TIME AND MONEY

100 Hastelloy parts cut with and without Dynamic toolpaths.

<u>With</u>	<u>Without</u>
40 minutes	5 hours
1.5 inserts per part	12.5 inserts per part
40 min. x \$100/hr. = \$66	5 hr. x \$100/hr. = \$500
1.5 inserts @ \$25 = \$37.50	12.5 inserts @ \$25 = \$312.50
\$103.50 per part x 100 parts = \$10,350	\$812.50 per part x 100 parts = \$81,250

Real world savings of 87%!

For more information,
visit MastercamMill.com