

PRESS RELEASE

*Illustrations available upon request*

For Immediate Release

June 2021

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**Mastercam 2022 is Now Released**

*Customer and Industry Input Drives Development in New Mastercam Release*

June 8, 2021 (Tolland, Conn.) – CNC Software, Inc., developer of Mastercam, the world’s leading CAD/CAM software, announces the release of Mastercam 2022. Mastercam 2022 increases machining productivity and reduces overall production costs with faster and more flexible multiaxis improvements, powerful new roughing tools for 2D users, advances in modeling, enhanced intelligence and automation, and much more.

Many of the advancements in Mastercam 2022 are directly driven by Mastercam users and shops. Feedback from Public Beta releases, shop visits, customer surveys, and consultation with our expert industry partners create the practical, shop-driven focus that helps ensure Mastercam users’ success.

According to Mastercam President and CEO Meghan West, “Mastercam is developed by listening to our users and creating solutions for their problems. We adapt to changing needs to ensure that the customer experience is the best it can be as we continue to innovate for improved automation, efficiency, connectivity, and precision. From job setup through job completion, you can depend on our technology to empower productivity.”

Improvements include:

**OptiRough Toolpath for 2D Users.** The 3D High Speed Dynamic OptiRough toolpath is now available for all Mill and Router product levels. This allows users to machine very large cut depths with a bidirectional cutting strategy to remove the maximum amount of material with the minimum number of stepdowns. Dynamic OptiRough allows you to create a single toolpath to machine a part, instead of creating multiple 2D operations to achieve the same goal. The toolpath is collision aware of the part, and for complex machining, the toolpath can also be aware of the tool holder.

**Faster, more flexible multiaxis programming.** As more shops seek the benefits of a single setup, multiaxis cutting strategy, Mastercam 2022 adds new techniques and strategies such as the Unified Multiaxis toolpath which allows you to select multiple pieces of input geometry to generate the toolpath pattern. Using those geometry choices, the toolpath picks the best algorithm to calculate the path. Multi-pass on Deburr toolpaths supports flat chamfered and rounded edges which gives the user added flexibility, allowing the Deburr toolpath to create a quality surface finish on larger chamfered or radiused edges.

**Modeling advances.** Mastercam 2022 introduces powerful mesh creation and editing capabilities that deliver a new class of modeling tools, including the ability to reconstruct models from scanned data. Being able to directly edit wireframe geometry without interacting with the dialog box speeds up design and modification work. And the Overflow UV function allows you to replace multiple surfaces with inconsistent flows with a single surface for flowline toolpaths. You can also simplify surfaces for general modeling. Overflow UV generates a single unified surface with a desired UV flow on a connected set of surfaces.

**Enhanced intelligence and automation.**A suite of system-wide enhancements helps automate tasks and speed your workflow. New automatic region chaining uses a “smart” approach to auto-select logical chained areas. Holemaking from imported solids is faster as Mastercam will now automatically extract appropriate information and pre-populate your programming options. Even tool imports have been made more intelligent as Mastercam will infer more tool properties from an incoming tool CAD model.

These are only a few of the new features and enhancements available in Mastercam 2022. For more information, please visit [https://www.mastercam.com](http://www.mastercam.com/) or <https://whatsnew.mastercam.com>.

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**About CNC Software**    
Founded in 1983, CNC Software, Inc. is a privately held company headquartered in Tolland, Connecticut, with corporate offices in Switzerland and China. The company develops Mastercam, a suite of CAD/CAM software created to reduce production time and expense with efficient machining strategies and advanced toolpath technologies like Accelerated Finishing™ and Dynamic Motion™. Mastercam is the world’s #1 CAM software, with more than 274,000 installations in industries such as moldmaking, automotive, medical, aerospace, consumer products, education, and prototyping. It is distributed through an international channel of authorized Mastercam Resellers in 75 countries, providing localized sales, training, and support for 2- through 5-axis routing, milling, and turning; 2- and 4-axis wire EDM; 2D and 3D design; surface and solid modeling; artistic relief cutting; and Swiss machining. For more information, visit [www.mastercam.com](http://www.mastercam.com/).