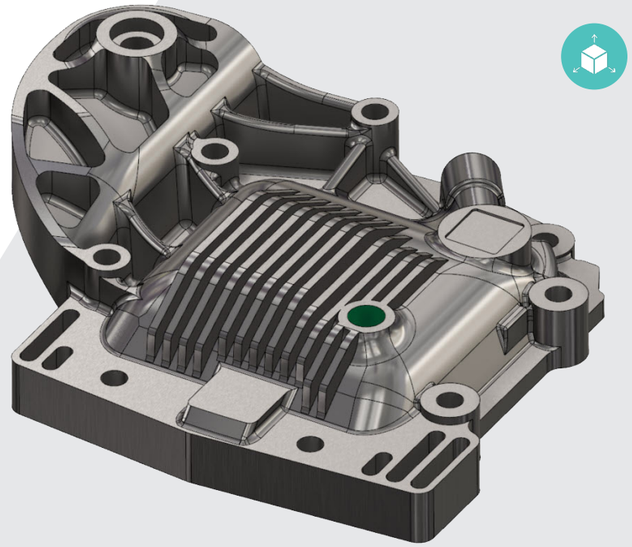
Mastercam® 2026
WHAT'S NEW

INCREASE PRODUCTIVITY | ENHANCE INTEGRATION | STREAMLINE WORKFLOW EFFICIENCY

2026 NEW FEATURES

The latest Mastercam release includes several feature improvements designed to help you work more efficiently. This overview highlights key enhancements that improve productivity, integration, and workflow—all developed in response to customer feedback.

For a complete list of all new features and improvements, visit whatsnew.mastercam.com.



Loft Surface Creation Enhancements

When using wireframe geometry to create a lofted surface, you now have more controls which allow for smoother flow and blending of surfaces. **Automatic alignment of chain directions** allows you to window select chains without worrying about their directions which saves time when selecting multiple chains. **Surface tangent matching** ensures that loft surfaces blend smoothly into existing adjacent surfaces. **Guide curves** are a new way of synchronizing flow across chains of curves and eliminates the need to manually break up groups of chains to sync curves to your desired flow. Dynamic sync options have been reorganized and updated.

INCREASE PRODUCTIVITY

Productivity Improvements

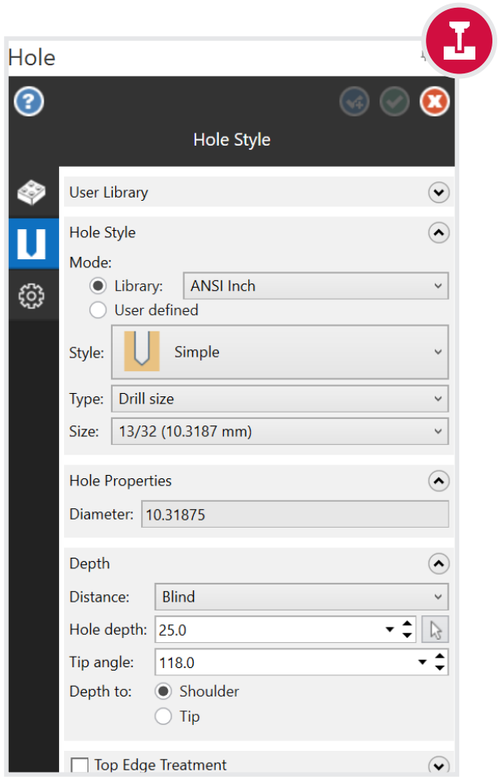
Various improvements have been added to Mastercam 2026, allowing users to complete tasks more swiftly and accurately, increasing productivity, while saving time and resources.

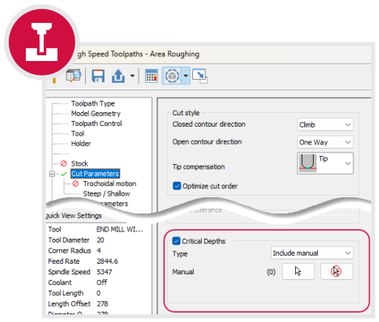
Enhanced Solid Hole Functionality

Mastercam 2026 introduces a new way to create holes in solids. These features have been organized into three panels: Geometry Selection, Hole Style, and Advanced, allowing you to design different types of holes in a solid with precision and control through new features and functions.

Void Handling

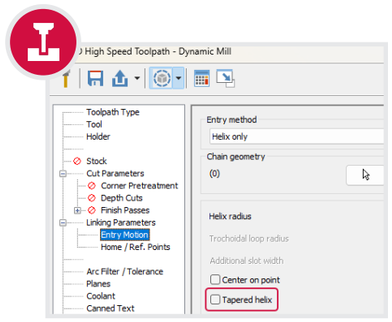
Solid Hole Void Support is now available. When you create a hole for a hole-making toolpath, the new **Include Voids** checkbox provides selection control of the voids between hole segments. The resulting single-hole form includes hole segments that are collinear to the selected hole, in addition to the voids between them, comprising a single hole form. When the **Include Voids** checkbox is unchecked, collinear holes with voids between them are considered individual hole forms.





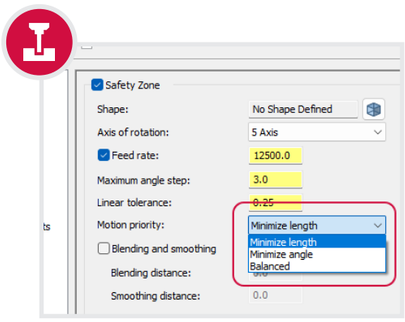
3D HST Critical Depths for OptiRough

For Mill 3D and Router 3D users, **Critical Depths** can be used to machine critical flat areas while performing simultaneous 3-axis machining. When creating a toolpath, **Critical Depths** gives you control over flat-area machining, eliminating the need to add additional flat-area operations at critical depths. **Critical Depths** in Dynamic OptiRough is only available on the stepdown move of the toolpath.



Dynamic Mill and OptiRough Tapered Helix Entry

A new checkbox for the **Helix Only** entry method lets you produce a tapered helix. Using a tapered helix to enter a pocket promotes better chip evacuation, coolant/air access, and is more efficient than a cylindrical helix. Achieve better tool life and more efficient toolpath creation. 2D Mill users will benefit from this feature, which is located on the **Entry Motion** page of a Dynamic Mill and OptiRough toolpath's parameters.



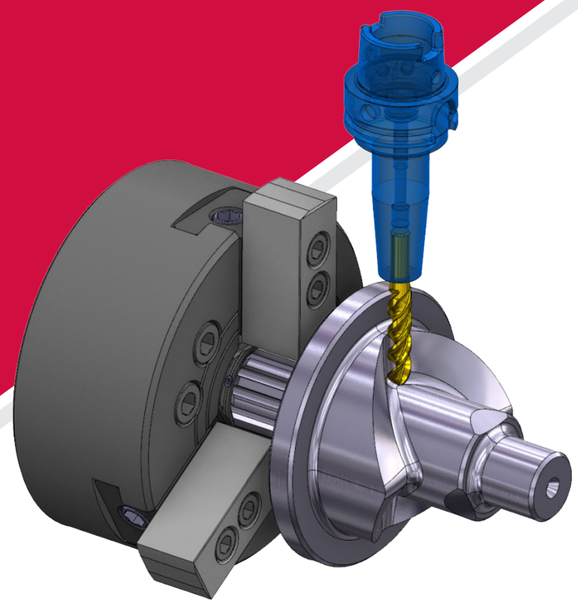
Safety Zone Motion Priority

A mesh-based safety zone always selects the shortest path of the sample slices but may have resulted in undesirable paths that do not consider the angle change. To solve this, you can now also choose the path with the least angle change. **Minimize angle** generates paths with the least amount of angular change; **Minimize length** generates paths with the shortest distance between points; and **Balanced** generates paths that are balanced between the shortest distance and minimal angle change.

ENHANCE INTEGRATION

Expanded System Functionality

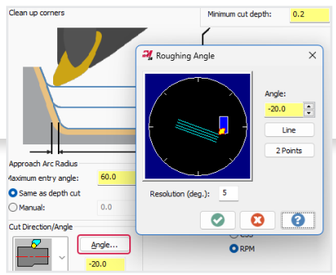
Mastercam 2026 offers expanded system functionality as users need additional capabilities and customization, allowing for an improved user experience and enhanced integration.



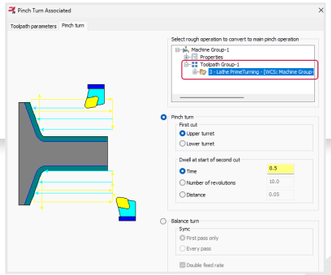
PrimeTurning™ Enhancements

Many enhancements have been made to PrimeTurning, significantly expanding its range of applications. These improvements streamline the overall workflow while delivering measurable benefits like reduced cycle time, improved surface finish, and longer tool life. **Angled cuts** now allow you to create roughing cuts at an angle, creating cuts that are parallel to angled surfaces on your part, providing easier machining. PrimeTurning toolpaths can now be selected for use in **pinch turning** and balanced turning operations and include an option for **enhanced finish options**, such as adjusting the feedrate at a set distance before the end of the cut.

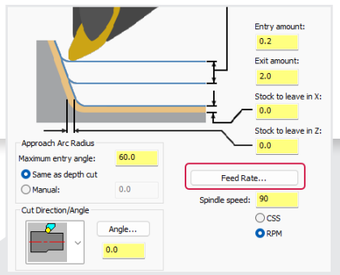
Angled Cutting Support

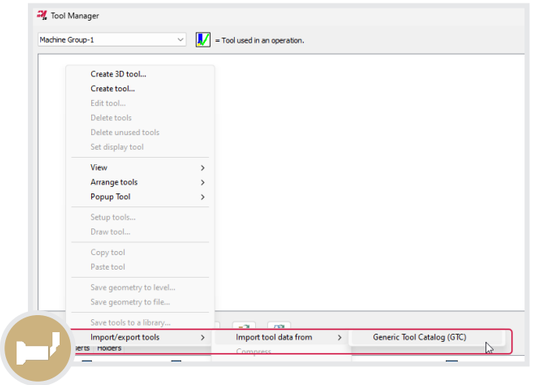


Pinch Turning Support



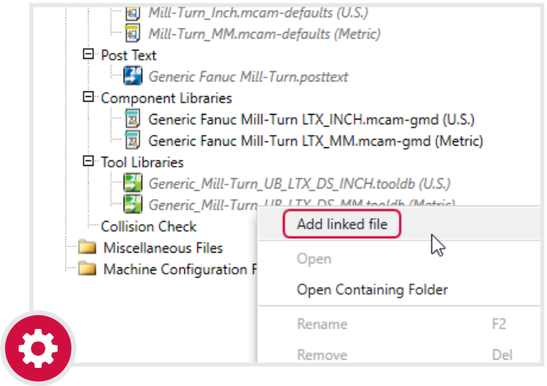
Enhanced Finish Options





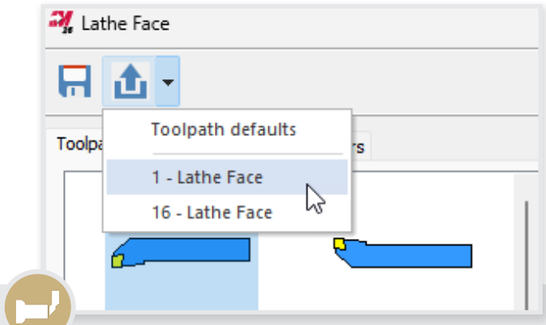
Lathe Generic Tool Catalog Support

For Lathe and Mill-Turn users, import lathe tool data from Generic Tool Catalog (GTC) packages, greatly reduce the time it takes to create 3D lathe tools. Select which assembly or individual components to import, and Mastercam validates the data and imports the tool or assembly directly to a Mastercam tool library or to the active machine group.



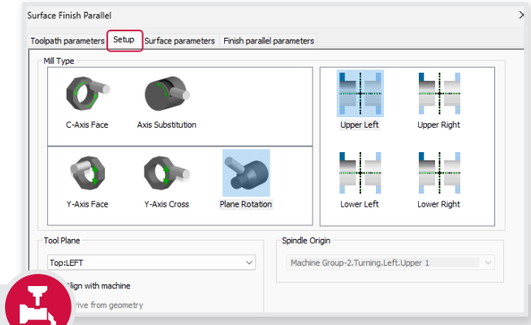
External File Linking

Normally, individual files listed in the **Machine Explorer** are serialized into the .machine file and are all saved together. Some users prefer to use tool libraries, default files, or other resources that are stored on a server or central workstation. For these cases, Mastercam now lets you include a link to the external file in your .machine file, rather than the file itself.



Support for Saving and Loading Parameters in Turning Toolpaths

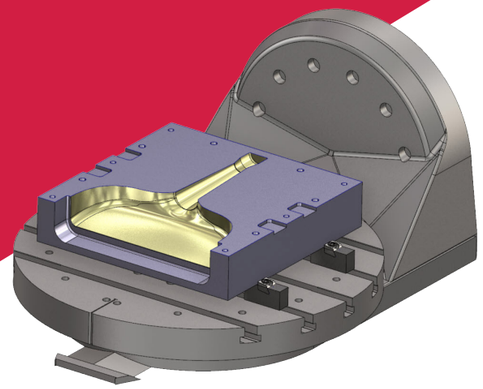
Turning toolpaths for both Lathe and Mill-Turn now include the ability to save and load toolpath parameters using toolbar buttons. Click the left button to save the current toolpath settings to the defaults file, or click the right button to open the **Load Toolpath Settings** panel to select the source of the settings to load. These buttons replace the context-menu options that were used in earlier versions of Mastercam.



Classic Mill Toolpath Support in Mill-Turn

Mill-Turn users can now use Mastercam's full suite of **Surface Rough**, **Surface Finish**, and **Wireframe** toolpaths. This preserves the familiar interface of these toolpaths, with the addition of the **Setup** tab which lets users tailor these toolpaths to their Mill-Turn machine. Some of the functionality normally available on the Toolpath parameters tab has been moved to the Setup tab to be consistent with the Mill-Turn workflow.

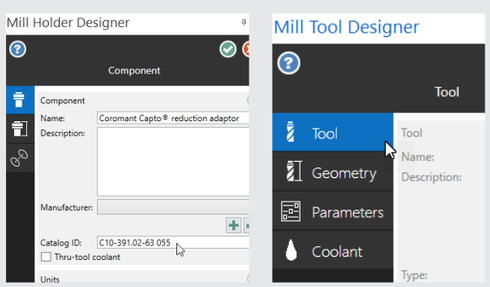
STREAMLINE WORKFLOW EFFICIENCY

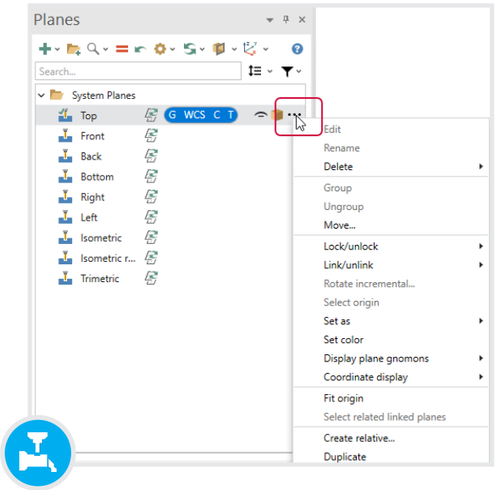


NEW Mill Tool Holder Designer

When creating Mill tools and holders, you will notice a redesigned interface. The old wizard-style dialog boxes have been replaced by function panels similar to the **Lathe 3D Tool Designer**. These updates permit the user to create tool assemblies that more accurately represent real-life manufacturing environments for Mill and Router machines.

The Mill Tool Designer organizes your tool settings in four pages: **Tool**, **Geometry**, **Parameters**, and **Coolant**. The new Mill Holder Designer is organized to present a similar workflow for designing and managing tool holders.





NEW Planes Manager

Experience significant workflow improvements with the newly redesigned Planes Manager. Planes are now organized in a powerful tree structure, enabling intuitive actions like creating groups and nested groups, drag-and-drop organization, and efficient search and filtering by group. This new functionality provides further customization, improving overall workflow and enhancing the user experience.

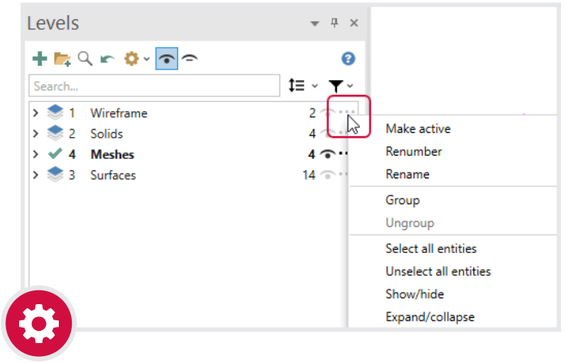
Job Setup Improvements

Several conveniences have been added to **Job Setup** to streamline the workflow for Mill-Turn users. During the **Job Setup** process, Mastercam now offers the ability to group and name planes for improved organizational purposes.

Additionally, the stock length and diameter have been added to the **Quick View Settings** display for your convenience.

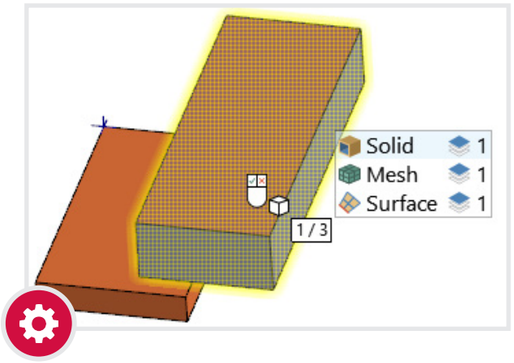
Usability Improvements

Various usability improvements have been added to Mastercam 2026 allowing users to achieve optimal workflow efficiency. With a unified workflow, users are able to transition seamlessly from design to analysis, simulation, and manufacturing.



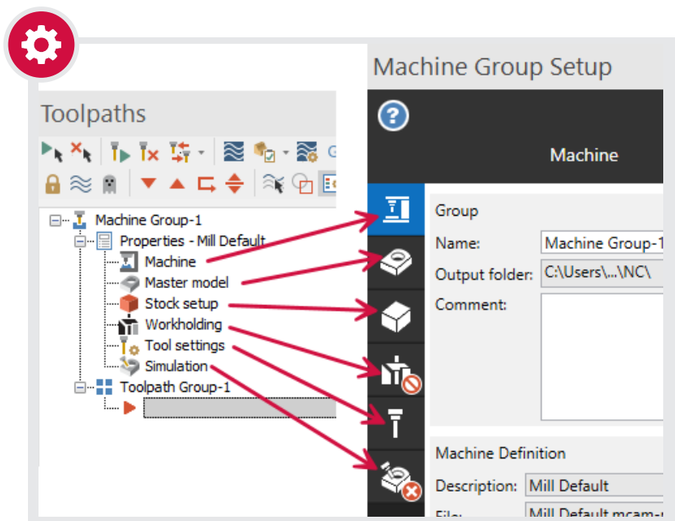
NEW Levels Manager

Mastercam 2026 features a newly designed **Levels Manager** with vast workflow improvements, providing further customization and a better user experience. **Levels** are organized into a tree structure, and the new manager allows you to perform functions such as create and nest groups, drag-and-drop within the tree, search the tree, and expand and collapse groups for better organization. The **Levels Manager's** tree structure lets you show and hide the entities on any level.



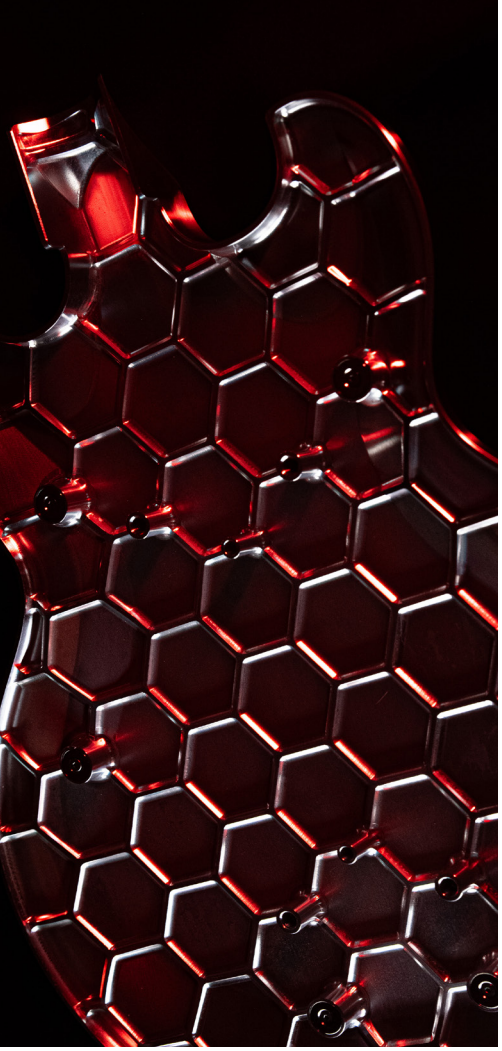
Verify Geometry Selection

The **Verify Selection** function has been updated to make geometry selection easier and more accurate. This allows you to select an entity behind an entity When you move your mouse cursor over geometry in the graphics window, the cursor changes to show the type of geometry over which the cursor passes; a click selects that geometry. If you hover over geometry, after a short delay, the cursor changes to show the number of selections you can make.



Enhanced Machine Group Setup Workflow

Previously, the **Properties** list in the **Toolpaths Manager** included only **Files**, **Tool Settings**, and **Stock Setup**. Now, for easier access, the individual Machine Group Setup panel pages have been promoted to the **Properties list** in the **Toolpaths Manager**. Selecting an icon in the tree now takes you directly to the appropriate panel.



*Guitar compliments of Dean Zelinsky.

There's Still More to Explore

Mastercam 2026 brings new features and enhancements focused on increasing productivity, enhancing integration, and streamlining workflow efficiency.

To see everything Mastercam's latest installment has to offer, visit **whatsnew.mastercam.com.**

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