

What's New in



CAMWorks



Geometric Americas Inc. makes no warranties, either expressed or implied with respect to this document. Geometric reserves the right to revise and improve products as it sees fit, and to revise the specifications and information contained herein without prior notice. Due to continuing product development, specifications and capabilities described in this document are subject to change without notice.

Copyright © 2021 Geometric Americas Inc. All Rights Reserved.

July 2021



Table of Contents

(Click a link below or use the bookmarks on the left.)

WHAT'S NEW IN CAMWORKS	1
What's New in CAMWorks 2021Plus SP0	3
Supported Platforms	3
Resolved CPRs Document	3
General	4
Option for Filter Mill and Turn Tools/Assemblies using Text Strings	4
Display Color Settings for Toolpath End Points	6
CAMWorks Task Pane with Web Browser Controls to Facilitate Communication	8
Mill.....	10
Renaming and Rearrangement of existing CNC Parameters for Clarity	10
Option to display Hidden Toolpath Moves in a User-assigned Color	12
Support for non-planar surfaces for Z Axis Probe Cycles	14
Turn/ Mill-Turn	15
Turn Toolpath Support for CoroTurn® Prime Inserts	15
Technology Database	19
Option to create a list of Multiple available TechDBs and assign Active TechDB from that list	19



What's New in CAMWorks 2021Plus SP0

Supported Platforms

Supported Platforms for 64-bit	
Solid Modeler:	The 64-bit version of: <ul style="list-style-type: none">- SOLIDWORKS 2021- CAMWorks Solids 2021
Operating System:	64-bit version of: <ul style="list-style-type: none">- Windows 10- Windows 8.1- Windows 7 (SP1 or higher) <p style="text-align: right;">[*Home Editions are not supported]</p> <p>Note: CAMWorks 2021Plus is supported only on 64-bit Operating systems.</p>

Resolved CPRs Document

Purpose of Document:	The Resolved CPRs (<i>CAMWorks Problem Report</i>) document has been updated to report the software errors that have been resolved in the current Service Pack (2021Plus SP0).
Path to Document:	To view the document, select: <i>Start>>All Programs>>CAMWorks2021Plusx64>>Resolved CPR's.</i>



General

New - Option for Filter Mill and Turn Tools/Assemblies using Text Strings

Purpose:

To provide the functionality to filter Mill and Turn tools/assemblies based on user-defined text strings

Implementation:

In *CAMWORKS*, the options to filter Mill and Turn tools/assemblies based on following parameters are available within the **Tool Select Filter** dialog box:

- Tool Type
- Diameter and End Radius /Insert Radius
- Tool material
- Holder Designation, type, and summary
- Protrusion Length

From *CAMWORKS 2021Plus* version onwards, an additional option to filter Mill and Turn tools based on user-defined text strings will be available within the *Tool Select Filter* dialog box. This option is labelled **Containing text**. This filter has following features:

- i. This text string search is not case sensitive.
- ii. Partial match for text string search is supported.
- iii. The default text within the text field of this filter will be an asterisk symbol (*). This symbol indicates that listed tools are currently not filtered based on any text string. You need to delete this asterisk character before inputting the text string.
- iv. Special characters like quotes ("), space (), hyphen (-), backslash (\), underscore (_), comma (,), hash (#) etc. are supported for the text string.
- v. The text string you enter will be cross-checked for a match with parametric text fields that constitute the definition of the tools. All tools having one or more parameters with text matching the user-defined text string will be filtered and displayed.
- vi. The list of tools displayed in the user interface will be filtered based on the input text string when you tab out of the text string field or shift the mouse focus to another parameter within the user interface.
- vii. For tool entries listed and filtered based on the input text string, the text fields of tool entries containing the matching text will be highlighted.



Tool Select Filter ✕

Tool type :

Filter by

Diameter -

End Radius -

Tool material

Holder Designation

Protrusion Length -

Containing Text

Preview

Turn (Inches)

	Z Feedrate	ShoulderDia	ShankLength	TmclD	Spindle_Sp	CoolantType	ShoulderLen	^
1	68.000000	0.312500	0.812500	Carbide	8556.000000	1	0.812500	
2	24.000000	0.437500	1.000000	Carbide	6112.000000	1	1.000000	
3	48.000000	0.437500	1.000000	Carbide	6112.000000	1	1.000000	
4	85.000000	0.125000	0.500000	Carbide	21000.000000	1	0.500000	
5	42.000000	0.125000	0.500000	Carbide	21000.000000	1	0.500000	
6	28.000000	0.187500	0.625000	Carbide	14260.000000	1	0.625000	
7	57.000000	0.187500	0.625000	Carbide	14260.000000	1	0.625000	
8	42.000000	0.250000	0.750000	Carbide	10700.000000	1	0.750000	
9	85.000000	0.250000	0.750000	Carbide	10700.000000	1	0.750000	
10	34.000000	0.312500	0.812500	Carbide	8556.000000	1	0.812500	
11	57.000000	0.375000	1.000000	Carbide	7130.000000	1	1.000000	
12	28.000000	0.375000	1.000000	Carbide	7130.000000	1	1.000000	
13	85.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	
14	42.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	
15	85.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	
16	42.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	
17	85.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	
18	42.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	
19	85.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	
20	85.000000	0.500000	1.000000	Carbide	5348.000000	1	1.000000	

Options to choose Origin of Mill Part Setup in Origin tab of Part Setup Parameters Dialog Box



New - Display Color Settings for Toolpath End Points




Purpose:

To provide a functionality whereby user-assigned color settings can be applied to Toolpath End Points viewed in the graphics area

Implementation:

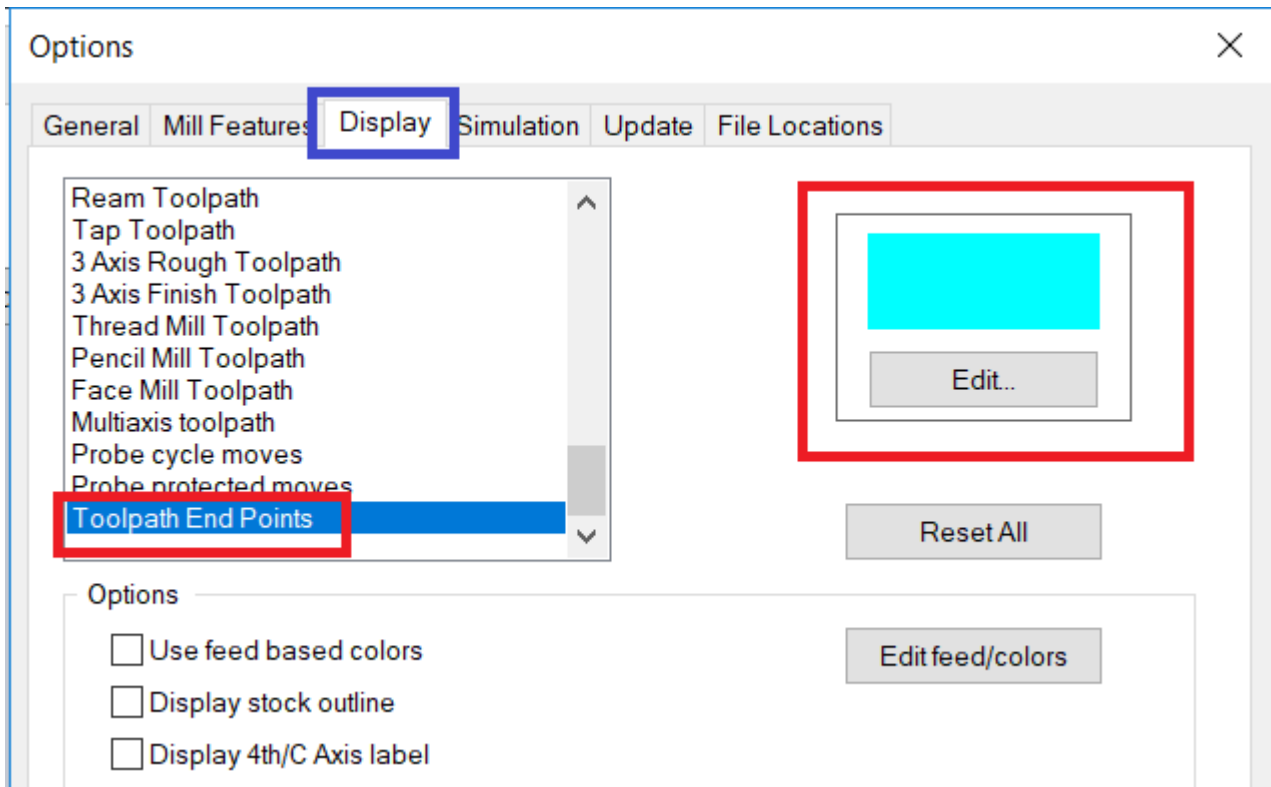
Viewing Toolpath End Points in the Graphics Area

For operations for which toolpaths have been generated, the Toolpath End Points can be viewed in the graphics area in the following scenarios:

- i. When executing the **Step Through Toolpath** command (provided that the *Show Toolpath End Points*  toggle button is in 'ON' mode)
- ii. When you edit a toolpath using the **Edit Toolpath Dialog Box** (provided that the *Show Toolpath End Points*  toggle button is in 'ON' mode)
- iii. When you execute the **Advance Edit Toolpath** command to edit the toolpath of a Mill operation using the *Advanced Edit Toolpath Dialog Box* (provided that the *Show Toolpath End Points*  toggle button is in 'ON' mode)

In previous version of CAMWorks, there was not setting available to change the default color settings for Toolpath End Points. From *CAMWorks 2021Plus* version onwards, the color display settings for Toolpath End Points can be customized using the *Color Settings* parameters available under **Display** tab of the **CAMWorks Options** dialog box.

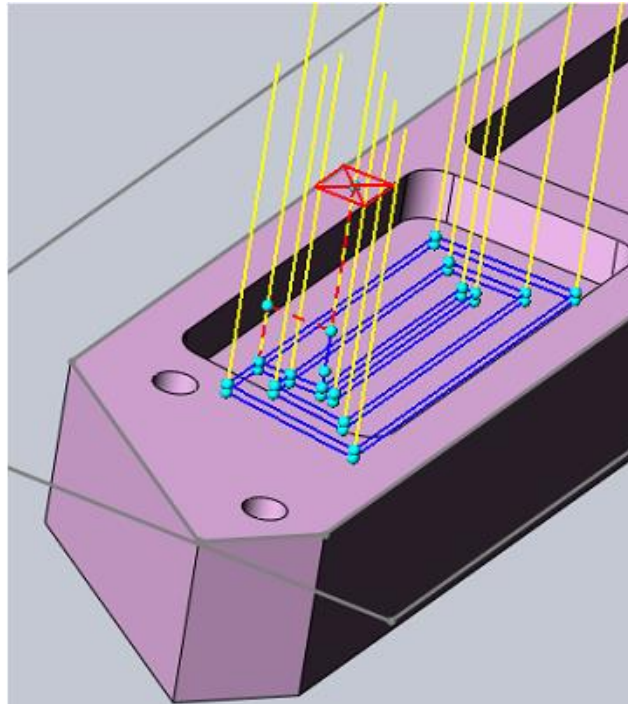
- i. Navigate to the *Display* tab of the *CAMWorks Options* dialog box.
- ii. 'Toolpath End Points' will be one of the options listed in the Color Settings list box under this tab. Scroll down within this list box and select the 'Toolpath End Points' option.
- iii. The currently assigned color for Toolpath End Points will be displayed adjacent to this list box. (Under default settings, this color will be Cyan for 'Toolpath End Points' option.)



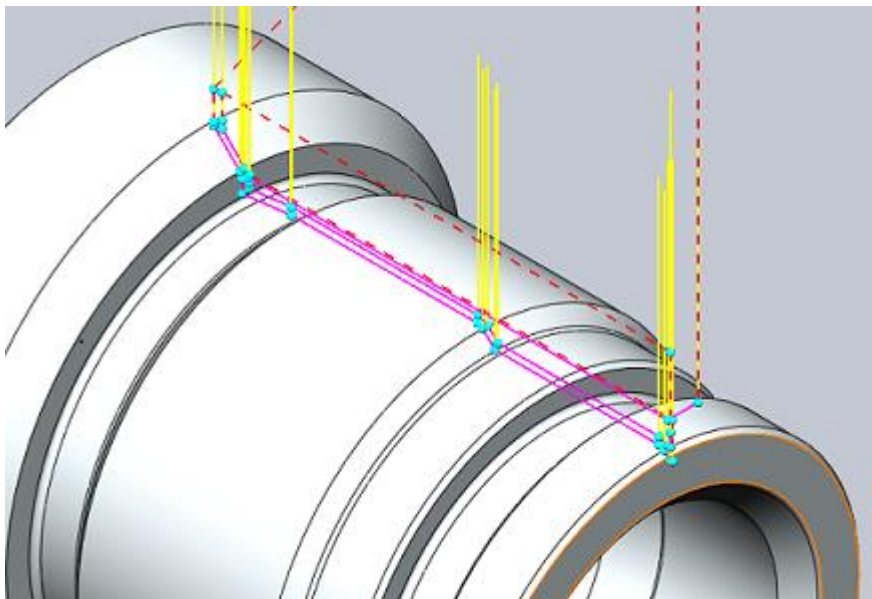
'Toolpath End Point' option in Color Settings list box under Display Tab of options Dialog Box



- iv. Click on the **Edit** button below the color display. Clicking on this button displays the dialog box for color reassignment. Use the settings within this displayed dialog box to assign the color of your choice.
- v. Click on the **OK** button to apply the changes and close the dialog box.



Sample Mill Toolpath showcasing Toolpath End Points in Cyan color



Sample Turn Toolpath showcasing Toolpath End Points in Cyan color



New - CAMWorks Task Pane with Web Browser Controls to Facilitate Communication

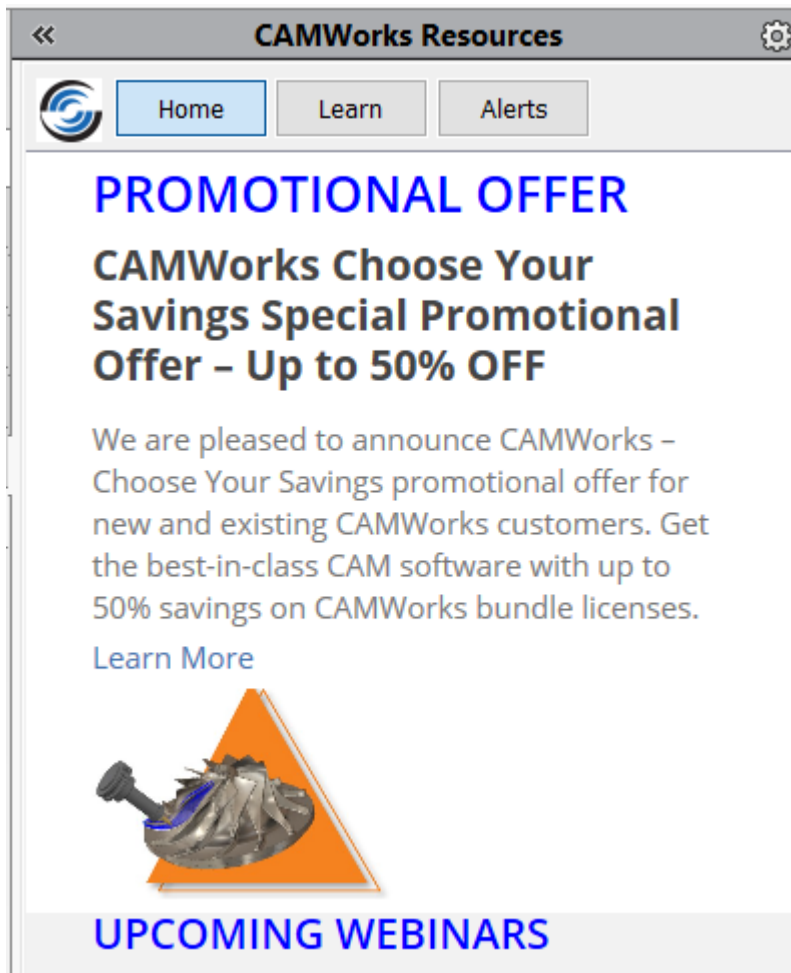
Purpose:

To provide an interface within the **CAMWorks** application to facilitate better communication with end users about effective utilization and potential of CAMWorks, product updates and versions, learning tools and resources

Implementation:

Location of CAMWorks Task Pane

A new task pane named **CAMWorks Resources**  has been added to **SOLIDWORKS/CAMWorks Solids** task panes area on the right-hand side of the application.



CAMWorks Resources Task Pane in Task Panes Area of SOLIDWORKS/ CAMWorks Solids

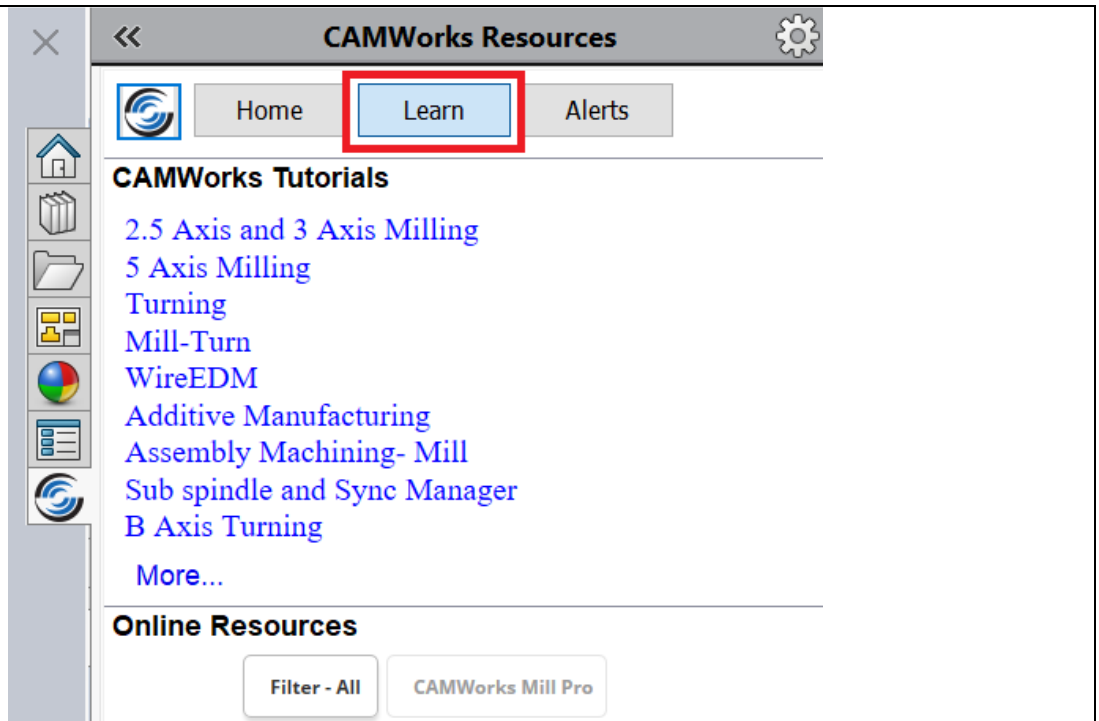
There are three tabs provided within this task pane:

1. Home tab

Click on the various tiles displayed within this tab to know about the various practical and potential industrial applications of CAMWorks. These include CAMWorks success stories, case studies, blogs, webinars, announcements, promotional offers, etc.

2. Learn Tab

This tab lists the various learning resources (both in-app resources as well as online resources) available to users for acquainting themselves with the finer details and nuances of CAMWorks. The aim is to help users exploit the full potential of CAMWorks.



Learn Tab of CAMWorks Task Pane with Learning Resources listed


3. Alerts Tab

The purpose of the **Alerts** tab is to provide an interface for users to view and download the CAMWorks versions released periodically. All the versions are listed in descending chronological order of release.



Alerts tab of CAMWorks Task Pane

Important Notes:

- An active Internet connection is required to access information within the CAMWorks task pane.
- When you click on the  icon adjacent to the Home tab, the default web browser will launch the CAMWorks website.



Mill

Improved - Renaming and Rearrangement of existing CNC Parameters for Clarity

Purpose:

Renaming and rearranging of existing CNC Finish parameters to ensure intuitive nomenclature and facilitate easier understanding by users

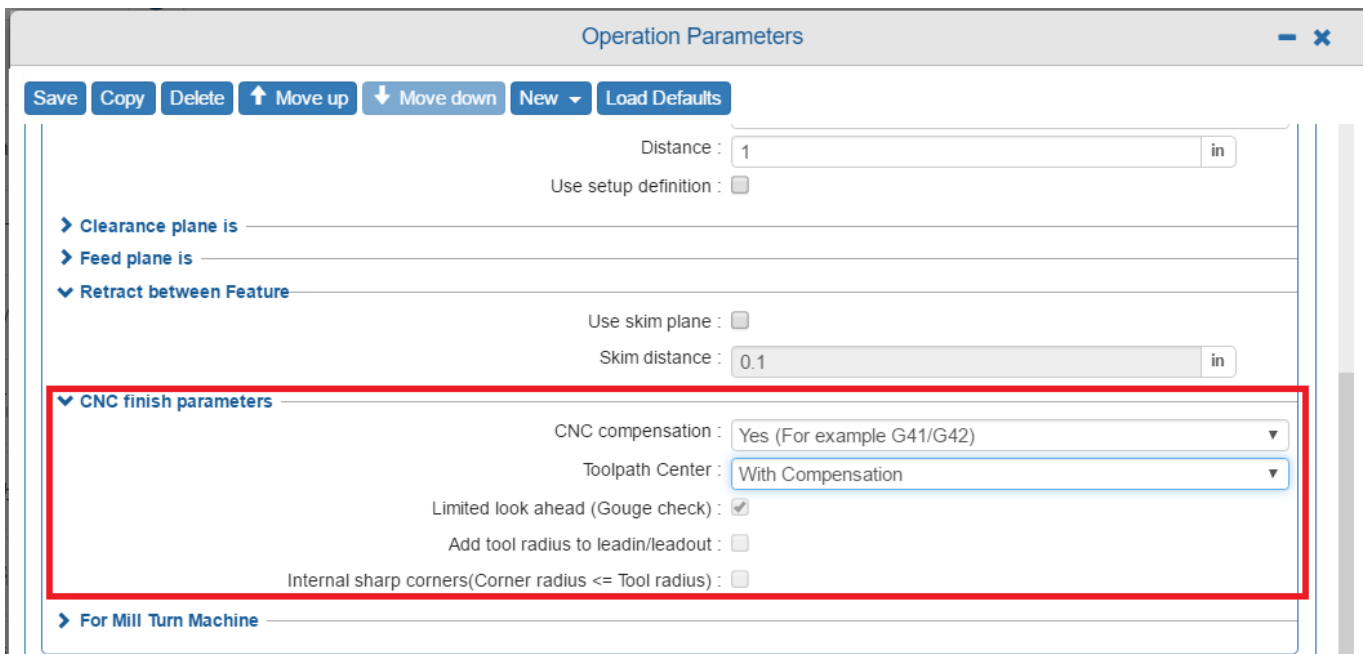
Implementation:

In CAMWorks Mill mode, the following **CNC Finish parameters** in **NC** tab of **Operation Parameters** dialog box have been renamed:

	Previous Labels of CNC Parameters	Renamed Labels of CNC Parameters
1.	Off	None
2.	On	Yes (For example G41/G42)
3.	With Compensation	With compensation (Toolpath is offset by tool radius)
4.	Without compensation	Without compensation (Tool center is on feature geometry)
5.	Gouge check	Limited look ahead (Gouge check)
6.	Sharp corner (Corner radius <= Tool radius)	Internal sharp corners (Corner radius <= Tool radius)
7.	Add tool radius to leadin/leadout	Add tool radius to leadin/leadout

Post renaming, the existing parameters of **Gouge check** and **Sharp corner** have been moved inside a new sub-group box labelled **Look ahead** within the **CNC Finish parameters** group box.

In the **Technology Database** too, the corresponding **CNC Finish Parameters** have been renamed in the **NC** tab for Mill operations.



Renamed CNC Finish Parameters under NC tab of Operation Parameters UI of Technology Database



Operation Parameters

Tool F/S Contour **NC** Feature Options Leadin Advanced Posting Optimize

Rapid plane is
Top of Stock
Distance : 1in
 Use Setup Definition

Clearance plane is
Top of Feature
Distance : 0.1in
 Use Setup Definition

Feed plane is
Previous Machined Depth
Distance : 0.025in

Retract between features
 Use skim plane
Distance : 0.1in
 Rapid plane (G98)
 Clearance plane (G99)

CNC finish parameters

CNC compensation
 None
 Yes (For example G41/G42)

Toolpath center
 With compensation
(Toolpath is offset by tool radius)
 Without compensation
(Tool center is on feature geometry)

Look ahead
 Limited look ahead (Gouge check)
 Internal sharp corners
(Corner radius <= Tool radius)

Add tool radius to leadin/leadout

Rotary axis mode
 Free Polar / cylindrical
 Fixed

OK Cancel Preview Help

Renamed CNC Finish Parameters under NC tab of Operation Parameters dialog box



New - Option to display Hidden Toolpath Moves in a User-assigned Color

Purpose: To provide the option whereby users can enable the display of hidden toolpath moves in a user-specified color

Implementation:

For 3 Axis Mill, Multiaxis Mill and VoluMill toolpaths, the toolpath moves (Rapid moves, Plunge Moves, Leadin moves, Leadout moves and Link moves) can be viewed in the graphics area in the following scenarios:

- Whenever you click on the corresponding operation node in the Operation tree
- When you execute the *Step Through Toolpath* command
- When you edit a toolpath using the *Edit Toolpath* Dialog Box
- When you edit a toolpath by executing the *Advanced Edit Toolpath* command

In the previous versions of CAMWorks, the following enhancements with respect to toolpaths were introduced:

- Options to enable/disable the display of specific toolpath moves that comprise the toolpaths
- Option to change/reassign the display color for the toolpath moves that comprise the toolpaths

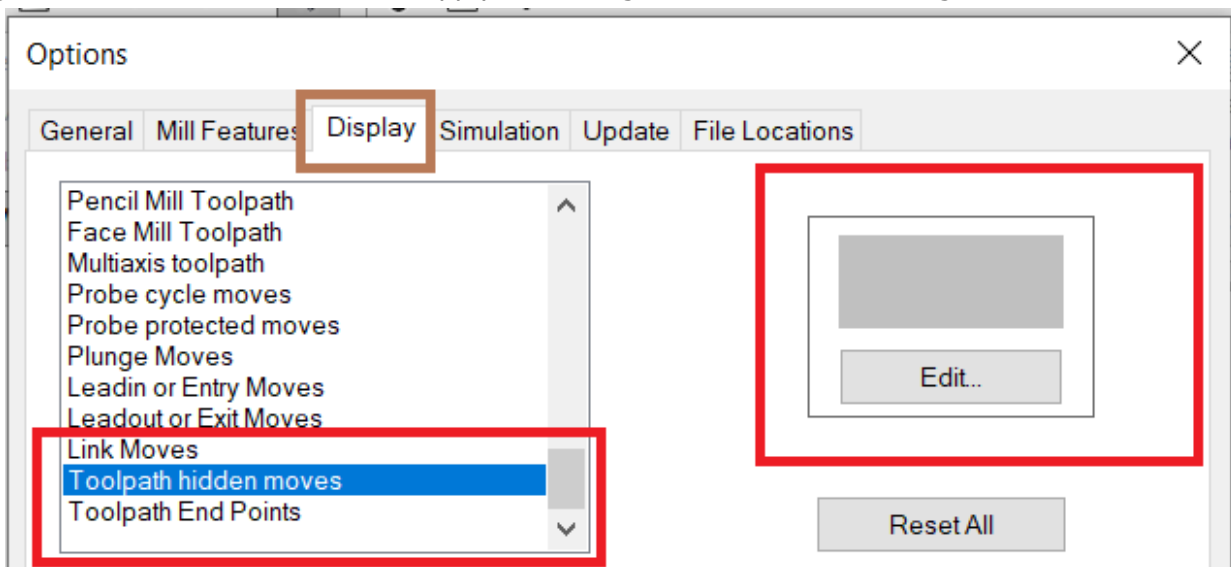
In *CAMWorks 2021Plus* version, an additional option has been introduced for toolpath moves which has been explained below.

Assigning Display Color for Hidden Toolpath Moves

You can choose to either display or not display such toolpath hidden moves in the graphics area. In case you choose to display hidden moves in a specific color, you can do so by using settings available within the **Display tab of the CAMWorks Options** dialog box.

The color display settings for such hidden moves can be customized using the **Color Settings** parameters available under **Display** tab of the **CAMWorks Options** dialog box.

To change the display color associated with a hidden toolpath moves, highlight the **Toolpath Hidden moves** option within the **Color Settings** list box. The currently assigned color for this option will be displayed adjacent to the list box. (Default color for 'Toolpath Hidden Moves' is gray.) Click on the **Edit** button below it. Clicking on this button displays the dialog box for color reassignment. Use the settings within this dialog box to select the color of your choice. Once the desired color settings are assigned, click on the **OK** button to apply the changes, and close the dialog box.



'Toolpath Hidden Moves' option in the Display tab of CAMWorks Options Dialog Box

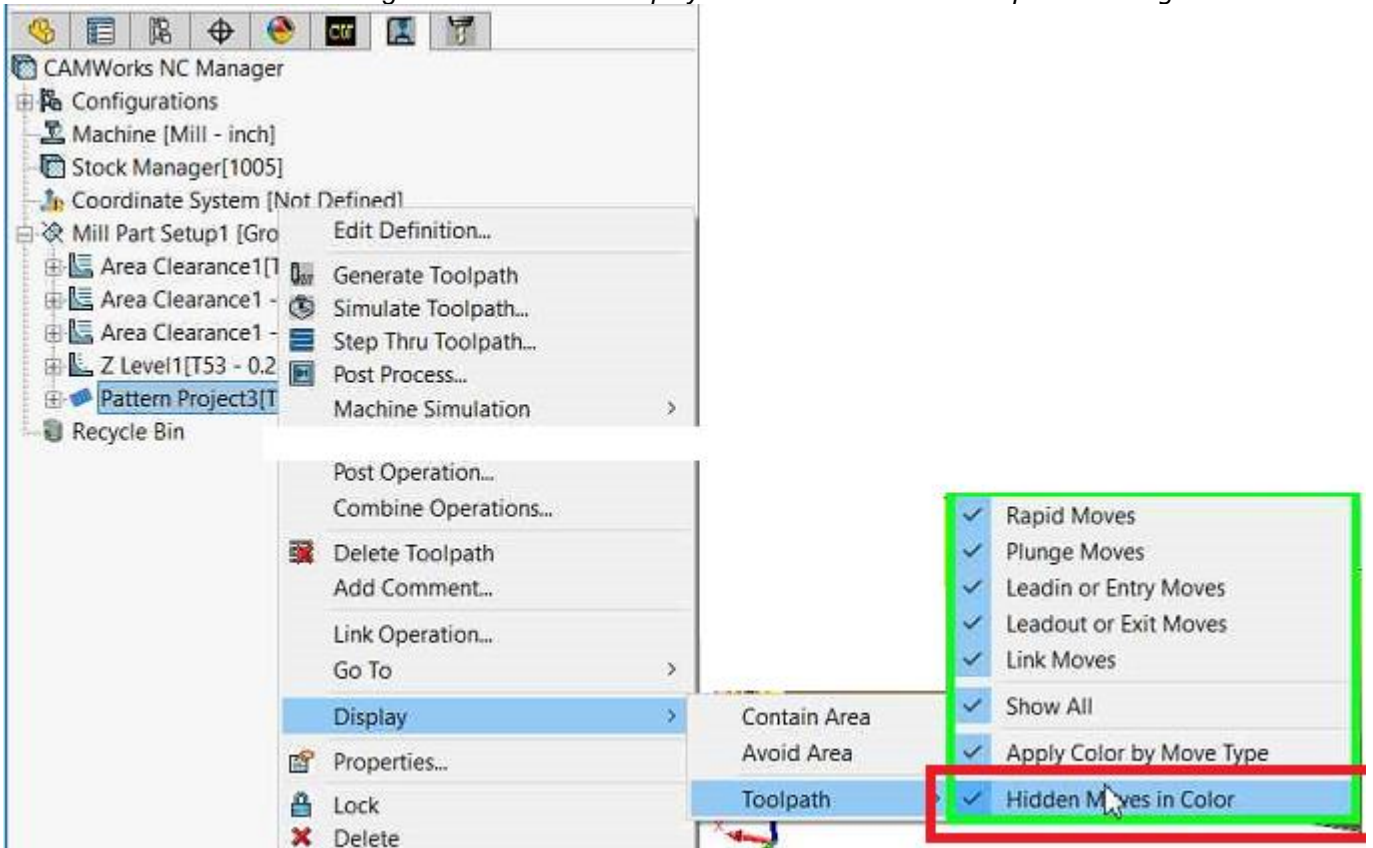
Enabling the Display of Hidden Toolpath Moves using the 'Hidden Moves in color' Option

If one or more toolpath move options displayed in the cascading menu does not have a check mark adjacent to it, then it will be considered as a hidden toolpath move.

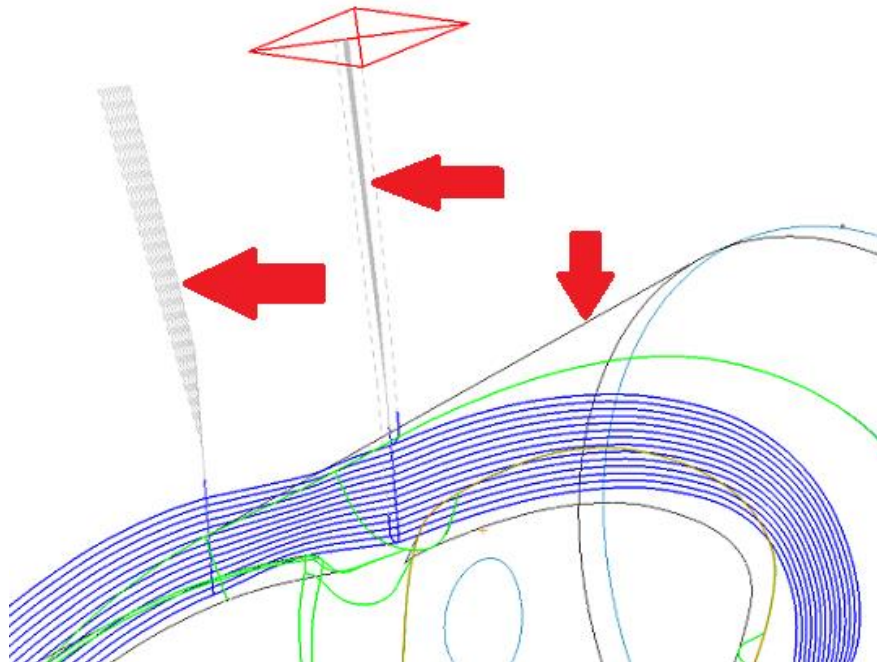
- If the **Hidden moves in color** option in the cascading menu is not checked, then none of the toolpath moves currently marked as hidden will be displayed in the graphics area.
- If the **Hidden moves in color** option in the cascading menu is checked, then all the hidden



toolpath moves will be displayed in the graphics area in the color assigned for **Toolpath Hidden Moves** in the *Color Settings* list box under *Display* tab of the *CAMWorks Options* dialog box.



'Hidden Moves in Color' option within Cascading menu for Toolpaths



Hidden Toolpath Moves Displayed in Gray Color within Graphics Area

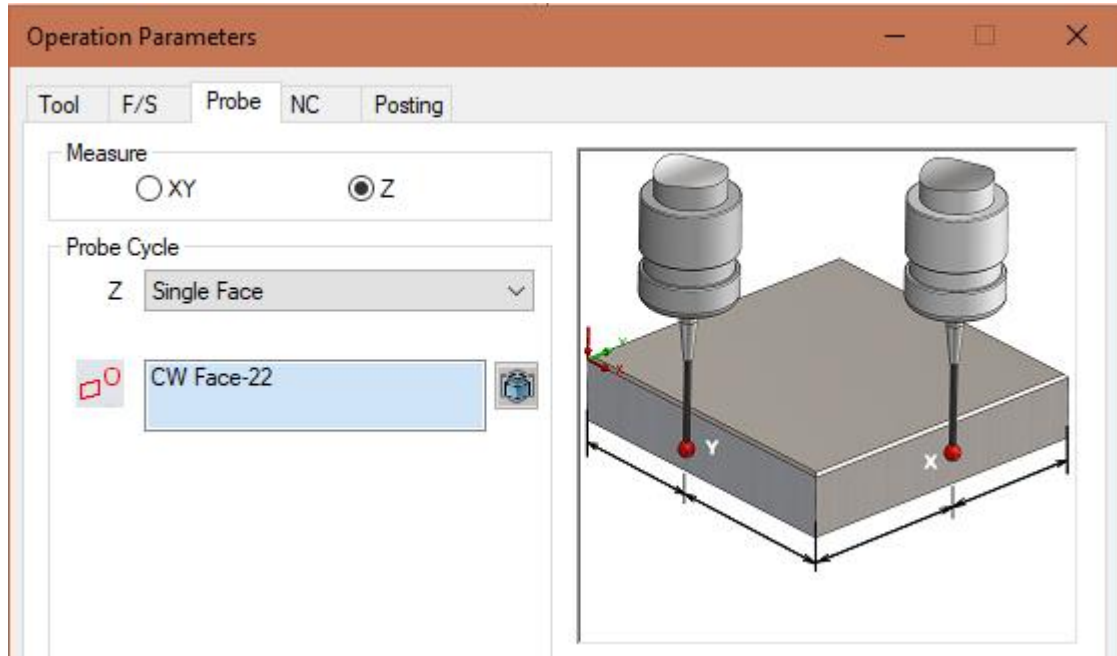


New - Support for non-planar surfaces for Z Axis Probe Cycles

Purpose: To allow non-planar surfaces to be selected during Z Axis Probing

Implementation:

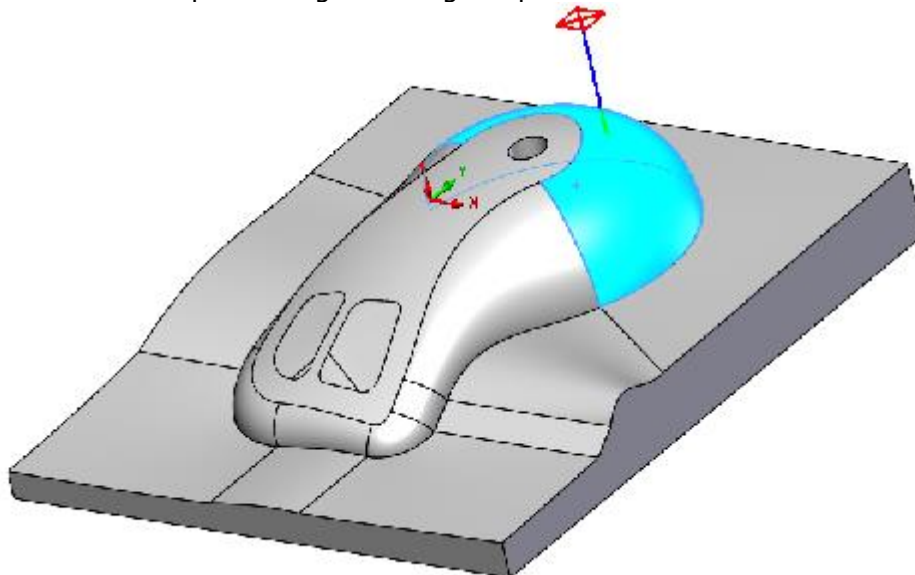
When Z Axis probing option is selected in the *Probe* tab of *Operation Parameters* dialog box, the only Probe Cycle option available is **Single Face**.



Z Probe Cycle selected in Probe tab of Operation Parameters Dialog Box

In previous versions of CAMWorks, only planar surfaces could be selected during Z Axis Probe Cycles. This was limiting as Z touch offs could happen on any surface.

From *CAMWorks 2021Plus* version onwards, non-planar surfaces too are supported for Z Probe cycles. The default touch off point that will be considered for toolpath generation will be the top-most point of the selected face in Z direction. If you moves the touch off point, then a ray would be fired in the direction of the -Z axis to find the intersection point. This intersection point will then be used as the touch off point for generating toolpath.



Example of Non Planar Surface that can now be Probed with Z Axis Probe Cycles



Turn/ Mill-Turn

New - Turn Toolpath Support for CoroTurn® Prime Inserts

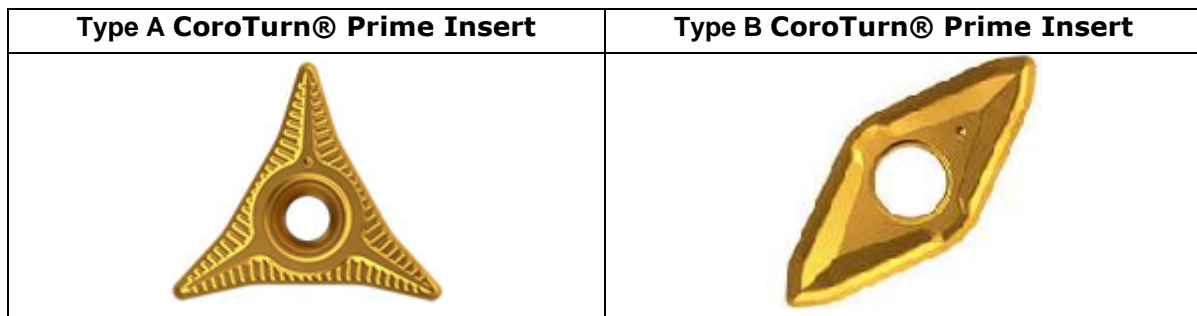
Purpose:

Support for CoroTurn® Prime Inserts and Holders within CAMWorks

Implementation:

What is PrimeTurning™?

PrimeTurning™ is a pattern of high-speed turning (Roughing and Finishing) using patented insert shapes. The profiles of the CoroTurn® Prime Inserts are patented and offered by Sandvik. The geometry of these inserts is available on the Sandvik web portal in the form of *.stp and *.dxf files. There are two types of CoroTurn® Prime Inserts viz. Type A and Type B.



Advantages of PrimeTurning™

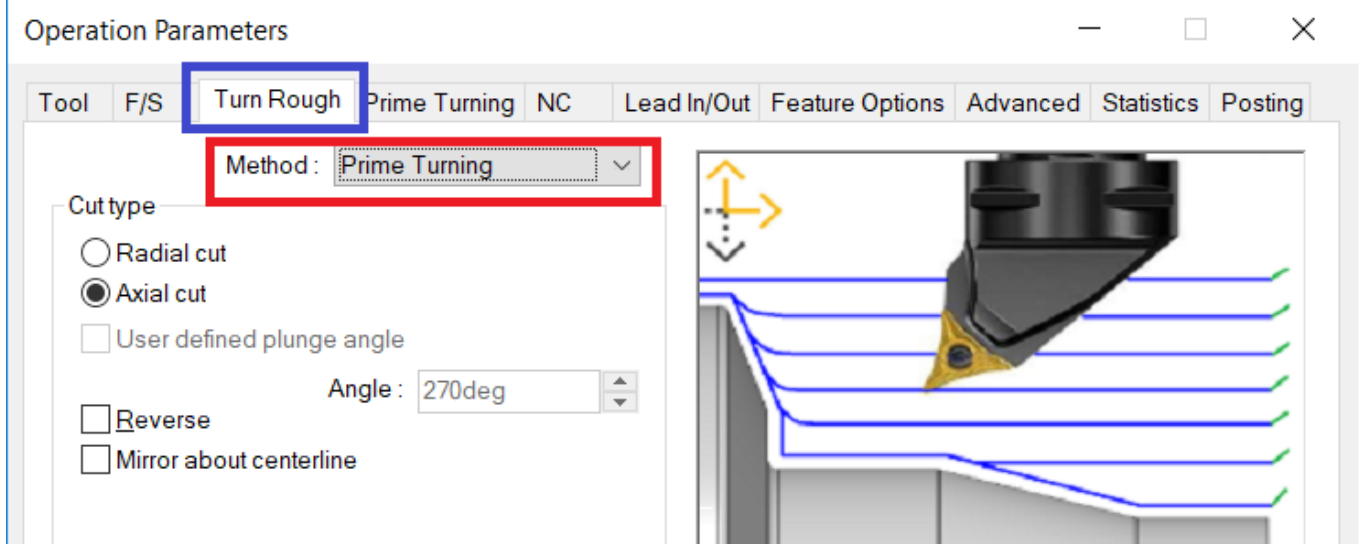
- i. High material removal rate compared to conventional turn patterns
- ii. Improved tool life
- iii. Bidirectional material removal. (Zigzag)

Turn Operations in CAMWorks that Support PrimeTurning™

- Turn Rough
- Turn Finish

Activating PrimeTurning™ for Supported Turn Operations

For Turn Rough and Turn Finish operations, PrimeTurning™ can be activated by selecting the PrimeTurning option in **Method** dropdown list of the corresponding *Turn Rough* or *Turn Finish* tabs.



Set Method to 'PrimeTurning' in Turn Rough/Turn Finish Tab of Operation Parameters



What's New in CAMWorks 2021Plus SP0

Tool Inserts to be used for PrimeTurning™

When the Turning method is set to 'PrimeTurning', only CoroTurn® Prime Inserts can be assigned to these operations.

Support for CoroTurn® Prime Inserts in CAMWorks

CAMWorks supports CoroTurn® Prime Inserts for PrimeTurning™ operations. Almost all the CoroTurn® Prime Inserts offered by Sandvik are shipped with CAMWorks and are available at the following location (after installation of CAMWorks):

Drive:\CAMWorksData\CAMWorks2021Plusx64\Tooling\PrimeTurnTools

These CoroTurn® Prime Inserts available within the Technology Database can be viewed in its user interface.

The screenshot shows the CAMWorks 2022 Technology Database interface. The 'Turn Tooling > Inserts' menu is highlighted with a red box. Below it is a table of tool inserts. To the right, a detailed view of a 'Prime Turn (ID: 1)' tool insert is shown, also highlighted with a red box. The detailed view includes fields for Thickness (T), Relief angle, Tool material, Coolant type, Prime insert name & path, Comment, Tool ID, Vendor, Description, Coordinate System, Component Name, and 2d section of the insert (Optional). A note at the bottom explains the optional fields.

Id	Thickness	Coolant ...	Comment	Vendor	Coo
1	5	Flood	CP-B1108-H3 1...	Sandvik	Coordi
2	5	Flood	CP-B1108-H3 4...	Sandvik	Coordi
3	5	Flood	CP-B1108-H3 H...	Sandvik	Coordi
4	5	Flood	CP-B1108-H3W...	Sandvik	Coordi
5	5	Flood	CP-B1108-H3W...	Sandvik	Coordi
6	5	Flood	CP-B1108-H3W...	Sandvik	Coordi
7	5	Flood	CP-B1108-L4 1...	Sandvik	Coordi
8	5	Flood	CP-B1108-L4 4...	Sandvik	Coordi
9	5	Flood	CP-B1108-L4 H...	Sandvik	Coordi
10	5	Flood	CP-B1108-L4W...	Sandvik	Coordi
11	5	Flood	CP-B1108-L4W...	Sandvik	Coordi
12	5	Flood	CP-B1108-L4W...	Sandvik	Coordi
13	5	Flood	CP-B1108-M5 1...	Sandvik	Coordi
14	5	Flood	CP-B1108-M5 2...	Sandvik	Coordi
15	5	Flood	CP-B1108-M5 4...	Sandvik	Coordi
16	5	Flood	CP-B1108-M5W...	Sandvik	Coordi
17	5	Flood	CP-B1108-M5W...	Sandvik	Coordi
18	5	Flood	CP-B1108-M5W...	Sandvik	Coordi
19	5	Flood	CP-B1108-H3 2...	Sandvik	Coordi
20	5	Flood	CP-B1108-H3 4...	Sandvik	Coordi

Prime Turn (ID: 1)

Thickness (T) : 5 mm

Relief angle : 6 deg

Tool material : Carbide

Coolant type : Flood

Prime insert name & path : C:\CAMWorksData\CAMWoi

Comment : CP-B1108-H3 1115

Tool ID : None

Vendor : Sandvik

Description : Prime turn insert B type

Coordinate System : Coordinate System1

Component Name : C5-CP-70BL00115-11B_CUT

2d section of the insert (Optional) : C:\CAMWorksData\CAMWoi

Note :

Coordinate System : Optional for part and assembly files only

Component Name : Optional for assembly files only. If blank, then no component will be used

CoroTurn® Prime Inserts UI within Technology Database (Available in Turn Tooling Menu)

License Module for PrimeTurning™ Functionality

To use PrimeTurning™ functionality, your license must be configured to run the PrimeTurning™ module. Contact your reseller if you wish to have your license reconfigured to activate this module.

Note:

If your current license is not configured to run the PrimeTurning™ module, then none of the parameters associated with the PrimeTurning™ functionality will be displayed within the CAMWorks user interface.

Parameters and User Interfaces associated with PrimeTurning™

Once PrimeTurning™ functionality is activated for supported Turn operations (by selecting PrimeTurning in the **Method** dropdown list of the operation specific tab), the **PrimeTurning** tab will appear within the **Operation Parameters** dialog box. Use the parameters within this tab to edit/assign settings associated with PrimeTurning™.



Operation Parameters

Tool F/S Turn Rough Prime Turning NC Lead In/Out Feature Options Advanced Statistics Posting

Cut amount
Constant cut amount: 0.039in
 Adaptive
Min cut amount: 0.039in
Max cut amount: 0.2in
Min base length: 0.039in

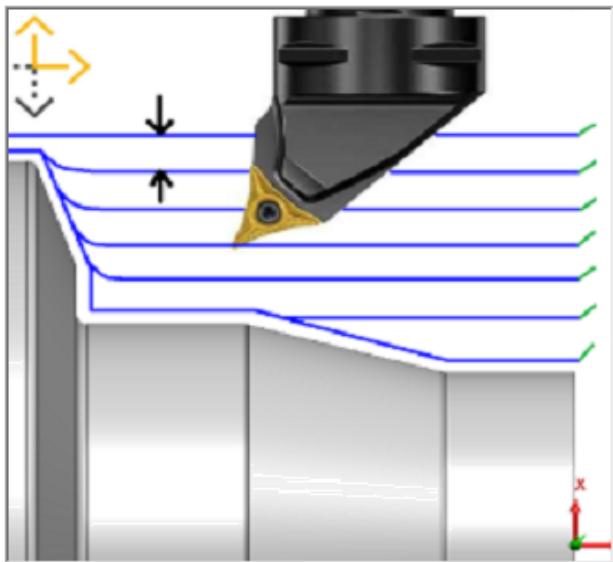
Sorting
Depth processing: By Level
Cutting order: Down
Threshold dia: 0.039in
 Use toolpath orientation
Threshold angle: 0deg
Angular tolerance: 0deg

Multiple passes
Number: 2
Spacing: 0.0394in

Area
 Follow holder angle
 Follow insert angle
 Detect stock
Minimum stock: 0in
Entry extension: 0in
Exit extension: 0in

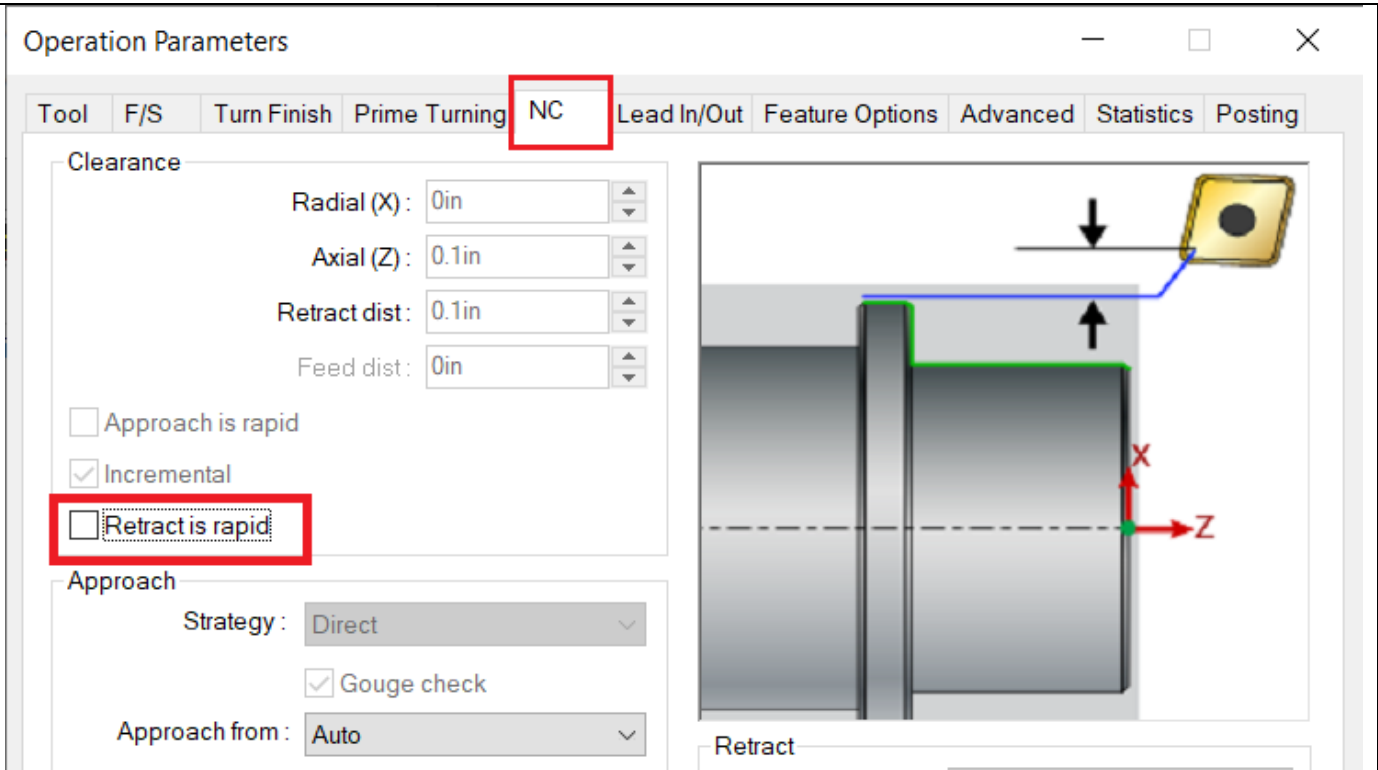
Entry/Exit
Arc radius: 0in
 Inclined line
Angle: 0deg
Length: 0in
 Tangential line
Exit length: 0in

Holder
 Holder clearance: 0in

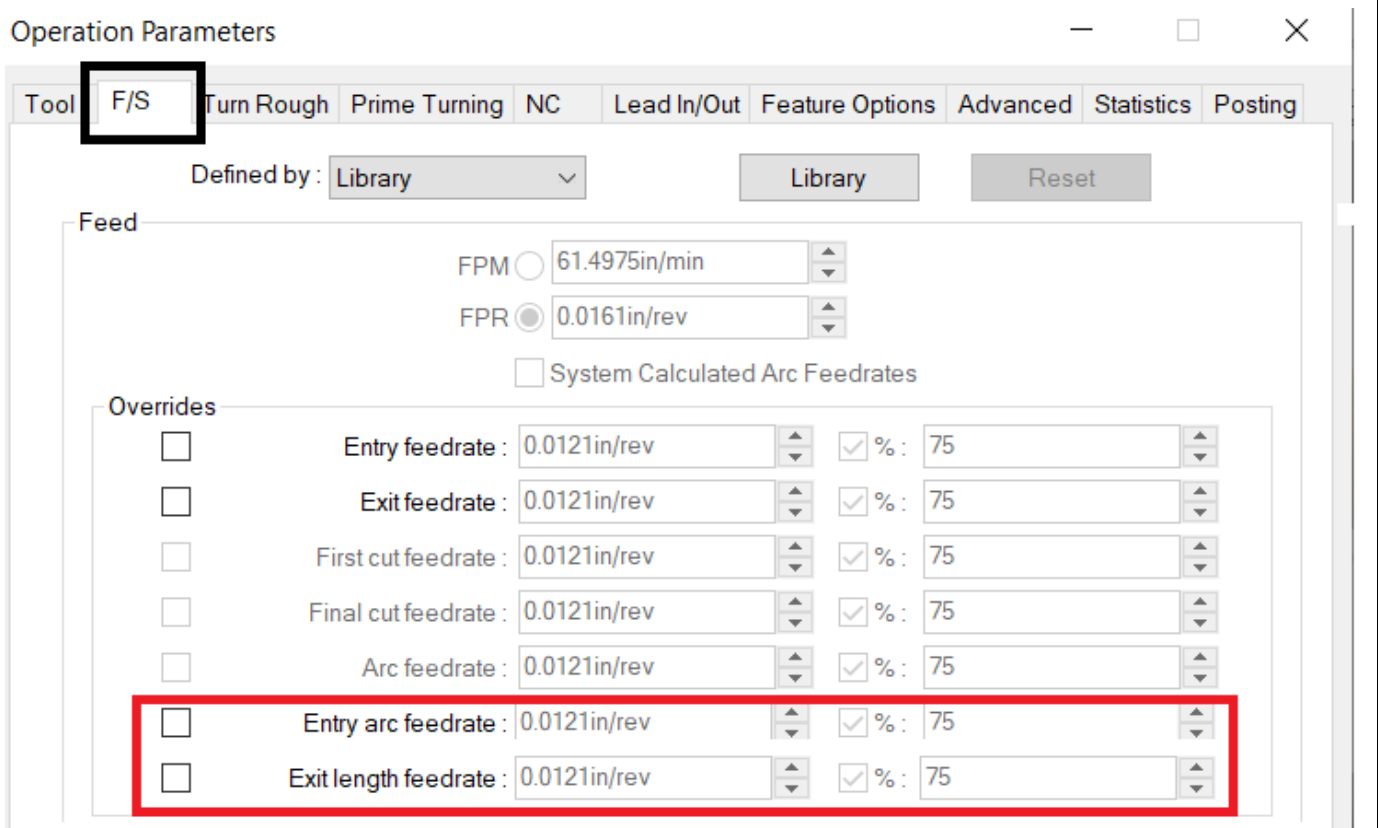


PrimeTurning Tab within Operation Parameters Dialog Box

The parameters which are applicable for 'PrimeTurning™' remain enabled while the other parameters are disabled on the different tabs of Operation Parameters. Also, some feed/speed parameters specific to PrimeTurning™ are enabled.



New Parameter “Retract is Rapid” in NC tab when PrimeTurning™ is Active
 (Observe that most other parameters are disabled as they are not applicable for PrimeTurning™)



New Parameter “Entry arc feedrate” and “Exit length feedrate in F/S tab when PrimeTurning™ is Active

(Observe that most other parameters within this tab are disabled as they are not applicable for PrimeTurning™)



Technology Database

New - Option to create a list of Multiple available TechDBs and assign Active TechDB from that list

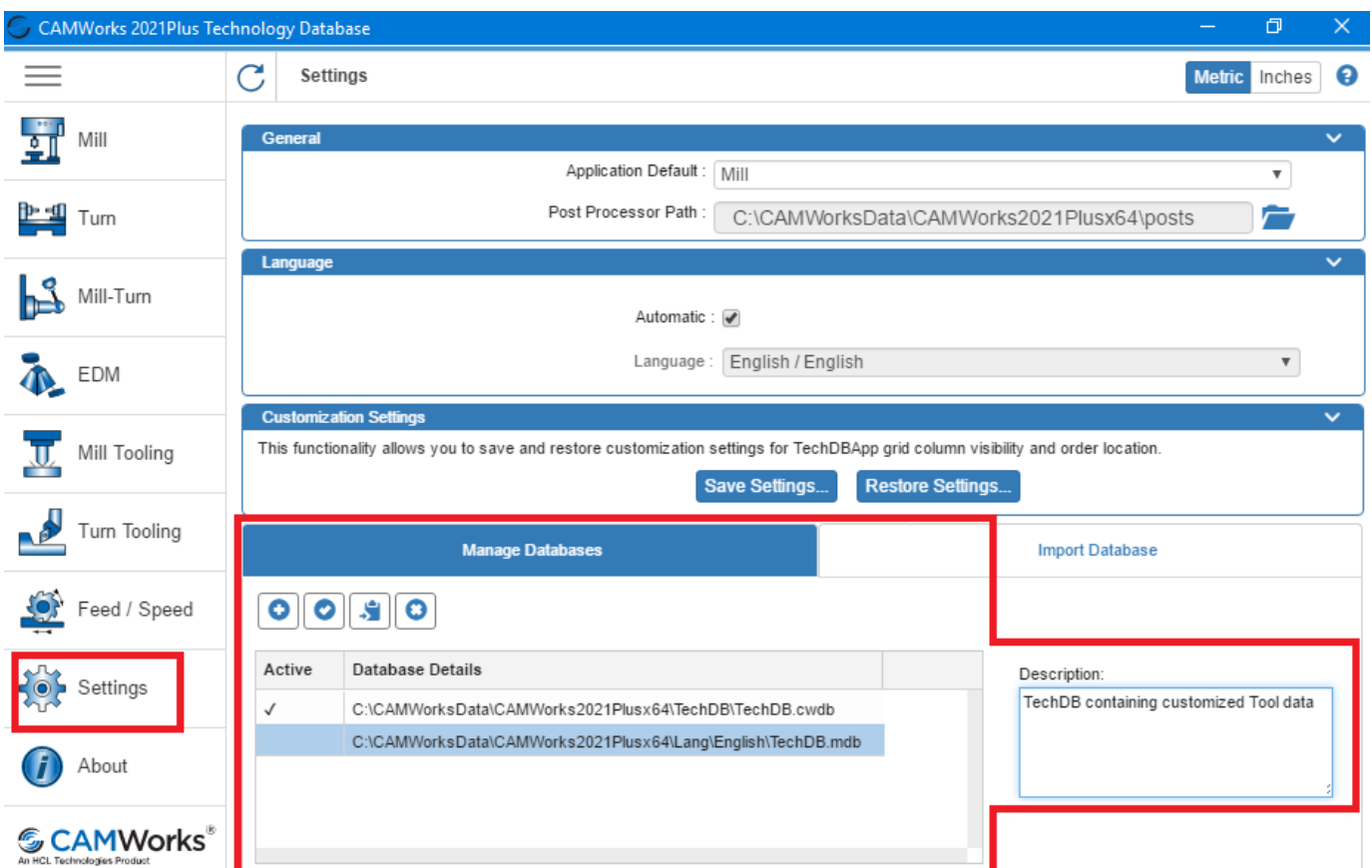
Purpose:

To provide the option whereby users can create a list of available TechDBs (in all supported formats) on the local machine or network and allow any one selected TechDB from that list as the active TechDB

Implementation:

In the **Settings** user interface of the TechDB App, the formerly **Link Database** tab has been renamed to **Manage Databases** tab.

In addition to all existing functions served by the **Link Database** tab, the **Manage Databases** tab allows you to add multiple TechDB data source files (in all supported formats) and list them as available TechDBs. Though multiple TechDB data files can be listed within this tab, only one among them can be assigned as the active TechDB linked to the application. The active TechDB can be visually identified by the check mark in the corresponding Active column field adjacent to that TechDB entry.



'Manage Databases' Tab in Settings User Interface of TechDB App

Add TechDB Command Button

Use the **Add** button to add a new TechDB data file (in any one of the supported formats) to the list of available TechDBs listed in the **Manage Databases** tab. Clicking on this displays a pop-up window. Select the format of the database to be added by clicking on the applicable option at the top of the window. For example, if you intend to add an **MS Access** based TechDB, click on the **MS Access** button located at the top of the pop-up window.




What's New in CAMWorks 2021Plus SP0

Once the database format is selected, click on the **Browse** button within this window. Select the file. Click on the **Open** button of the *Windows File Explorer*. The *Windows File Explorer* will close, and the user interface will revert to the pop-up window. The path to the newly selected TechDB file will be displayed adjacent to the **Browse** button.

Place a check in the **Set as active** checkbox at the bottom of the pop-up window in case if you want to set the database file as active one.



Pop-up window for adding a new TechDB source file

Click on the **OK** button  to confirm the selection. Observe that the newly selected TechDB will be listed in the list of available Technology Databases. (If the **Set as active** checkbox was checked within the pop-up window, then the new database will have a check mark adjacent to its name within the list of available Technology Databases.

Set as Active (Command Button)

In case of multiple TechDB entries within the list of available Technology Databases, only one TechDB entry can be set as the default TechDB.

If desired, you can set database within this list as the active TechDB. To do so, highlight the desired entry within the list of available Technology Databases and click on the **Set as active** button.

Copy TechDB (Command Button)

If desired, you can create copies of Technology Databases listed within the list of available Technology Databases.

To create a copy, highlight the TechDB from the list of available Technology Databases whose copy you wish to create and click on the **Copy** button. Use the displayed window to set the folder path and name of the copy and click the **Save** button.

Observe that the newly created copy will now be listed in the list of available Technology Databases.

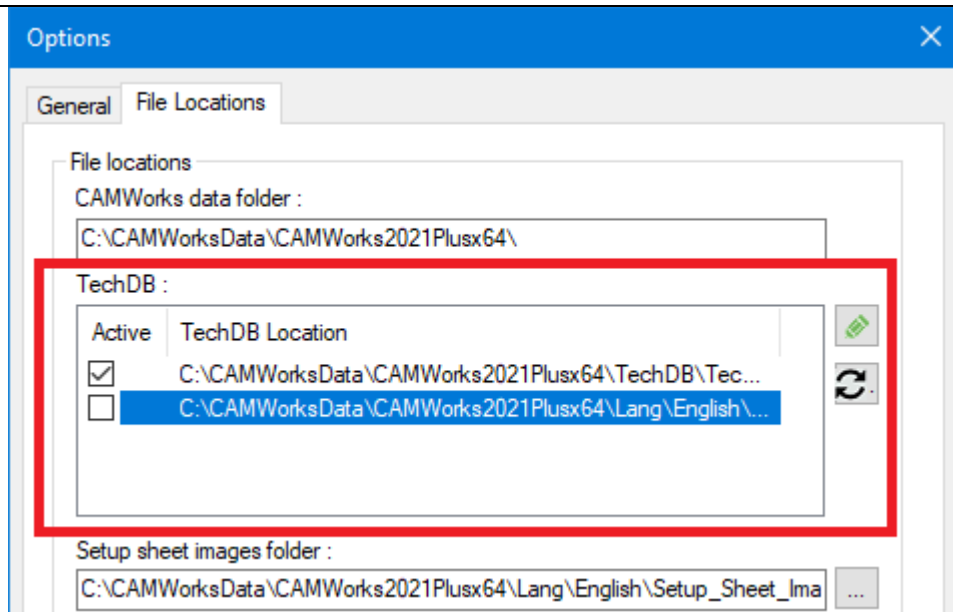
Remove TechDB (Command Button)

Execute the **Remove TechDB** command if you wish to remove any TechDB listed within the list of available Technology Databases. To remove a database from the list of available Technology Databases, highlight that entry within the list and click on the **Remove TechDB** command button. Executing this Remove TechDB command does not delete the selected TechDB file. It only removes the database from the list of available Technology Databases.

Note that only TechDB entries that are not assigned as the active TechDB can be removed from the list of available Technology Databases.

Implementation within CAMWorks Application



The TechDB Settings available under **File Locations** tab of **CAMWorks Options** dialog box within the **CAMWorks** application has been updated to display the list of TechDBs defined in the **Manage Databases** tab of TechDB App.



TechDB group box under File Locations Tab of CAMWorks Options Dialog Box

The active TechDB can be identified by a checkmark in its corresponding **Active** column field. If you wish to change the TechDB assigned as the active TechDB, then ensure that no active part or assembly programmed using the active TechDB is open and then place a check in the Active column of the desired entry and apply the changes. Not that this change will be limited to the CAMWorks application and will not be reflected in corresponding TechDB settings.

If you wish to apply the changes in the TechDB settings too, then click on the **Launch the TechDB**

App to Manage List of Connections button  to the right of the group box. This action will launch the *TechDB App* with *Manage Databases* tab in focus. Assign the desired TechDB file as the active TechDB and close the *TechDB App*. Click on the **Update the TechDB List** button  to sync the TechDB listings in the TechDB group box with those in the *Manage Databases* tab. Observe that the group box now reflects the newly assigned TechDB as the active file.