



Resolved CPRs

CAMWorks 2023 SP0

* Please refer to 'What's New' PDF document for details regarding enhancements in CAMWorks 2023.

Sr. No.	CPR Number	Help Desk ID	Area	Description
1.	CW-117053	CSR-21455	TechDB	For an assembly with constituent parts that have Perimeter Boss feature, it is observed that if the stock is set to 'Common' and the features are Rebuilt, then the Perimeter Boss features' size is based on Stock size, which is incorrect.
2.	CW-117051	CSR-21417	Toolpath	For the Pattern Project toolpath generated for a specific Mill part, the Minimum Z depth is not always observed when Z end is user-defined.
3.	CW-117040	CSR-21197	Post	For Mill-Turn machines with a 4 Axis Mill license, Multiaxis operations cannot be post-processed (error 5008 is returned) for specific parts due to B Axis issue. This can be resolved by allowing B Axis to be either zero or an increment of 90 degrees.
4.	CW-116818	CSR-21327	License	If user opts for the 'Manual' method of Online Activation of CAMWorks License instead of default Automatic License, then the license does not get activated.
5.	CW-116776	CSR-21268	Post	During post processing, the Work plane vectors get reset for probing operations.
6.	CW-116702	CSR-21233	Post	Add new post variable CURR_FILE_NUM to get current file number/ID in order to determine in which file the output is currently directed. This is necessary for error handling.
7.	CWR-2069	CSR-21207	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and the toolpath is generated, the Z-level operation with the Dovetail tool applied to a Contain Area generates incorrect toolpaths. This occurs as the tool diameter is incorrectly calculated.
8.	CW-116643	CSR-21174	System	For the specific Assembly file, CAMWorks application crashes when Changing Pattern in SolidWorks without any warning message. If the CAMWorks add-in is turned off then the SOLIDWORKS does not crash when changing the pattern.
9.	CW-116640	CSR-21162	Simulation	Toolpath with Countersink tools fail to simulate as the tool's shoulder length is too small. This can be averted if up on editing the concerned operation, the countersink shoulder length value is auto-corrected to a valid value based on the angle of the countersink tool.



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10.	CW-116574	CSR-21135	System	For the specific Assembly file, when trying to delete any part instances, CAMWorks crashes.
11.	CW-116559	CSR-21120	Simulation	CAMWorks Simulation displays error message while running simulation for the multi-axis toolpath of the part which contains 2.5 Axis, 3 Axis and Multi-Axis toolpath.
12.	CW-116526	CSR-18951	TechDB	In the TechDB, for a Hog Nose tool, if the end radius value input by the user is identical or more than the flute length, then it will be invalid and an error message indicating the same gets displayed. However, the error message displayed contains incorrect parameter information.
13.	CW-116524	CSR-21045	Post	Add a new query QUERY_INT_5AXIS_KEEP_INITIAL_ORIENTATION to know the selection of "Keep Initial orientation Until Distance" in Multiaxis mill operation.
14.	CW-116514	CSR-21048	Simulation	For Turn parts, if the Turn holders are user-defined using STL files, then they do not get displayed when running the simulation for ID features. (They get displayed for OD features.)
15.	CW-116442	CSR-20917	TechDB	In the TechDB, Open Profile ID 219 is missing the tool type definition.
16.	CW-116364	CSR-20946	Rebuild	For any Mill-Turn part, after changing the coordinate system and executing the Rebuild command, the open pocket feature and its operation gets deleted.
17.	CW-116335	CSR-20943	Toolpath	For specific Mill parts, the Rough Mill toolpath generates extremely small arcs that cannot be posted resulting in overcutting while machining.
18.	CW-116323	CSR-20850	Operation	When using CAMWorks, intersecting holes cause depth problems for features.
19.	CW-116315	CSR-20814	Feature	For the specific Mill part, when 'Recognize Feature' command is used to recognize 2.5 Axis Mill features, it does not recognize all the machinable features. Only by copying the configuration are the features getting recognized correctly from the part.
20.	CW-116239	CSR-20876	Operation	For any Mill part with hole group features, CAMWorks automatically selects correct thread definition for the threaded hole feature. However, if the 'With thread callout' option is checked and user attempts to assign an alternate thread definition through the Parameters dialog box, then it fails.



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21.	CW-116186	CSR-20815	UIF	When CAMWorks is run any supported language other than English and the command to view the 'Default Feature Strategies' dialog box is executed, it is observed that the Operation Names are displayed in English language. Seems these names were not translated.
22.	CW-116052	CSR-20746	Post	The Query-Function "QUERY_ITEM_ID=QUERY_INT_MILL_ROUGH_TYPE" returns wrong value at end of an operation if the last movement is a line instead of rapid move.
23.	CW-116043	CSR-20740	Feature	The specific Turn part has an OD feature with Thread undercut. When the OD feature is created on a section plane rotated by 60 degrees, it is observed that the tangential Join is not generated correctly in this Rotated section plane.
24.	CW-115905	CSR-20697	Simulation	In Assembly mode, if the Output origin is set to 'Part Setup Origin' and the 'Display cutter co-ordinates' option is enabled, then during Simulation, Probing toolpaths are not simulated.
25.	CWR-2053	CSR-20646	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced', regenerating the Z level toolpath with Dovetail tool for specific Mill part with existing parameters results in failure to rebuild the toolpath when a Contain Area or Avoid Area is applied.
26.	CW-115813	CSR-20625	Feature	If CAM data exported from CAMWorks contains programming data pertaining grouped hole features is imported into a similar part with grouped hole features, then it is observed that the grouped hole features get deleted. Moreover, CAMWorks does not allow users to reselect/edit those grouped hole features.
27.	CW-115774	CSR-20621	Feature	For the specific 2.5 Axis Mill part, when selecting Faces for the 2D Features the system crashes.
28.	CW-115735	CSR-20611	Help	The bidirectional material removal (Zigzag) cut method is not available in PrimeTurning. However, it is mentioned in CAMWorks Help documentation as one of the advantages of PrimeTurning.
29.	CW-115699	CSR-20585	Help	Users confuse the UI parameter term "Spindle Direction" under Setup Tab of Machine dialog box for a Turn/Mill-turn machine to mean is direction of C axis rotation. To avoid this confusion, rename the term "Spindle Direction" in Help documentation to "Lathe Spindle Direction".
30.	CW-115486	CSR-20527	UIF	UI: An issue with the post variable status, "ALLOW_LONG_CODE_DRILLING_CYCLES=TRUE"



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31.	CWR-2042	CSR-20504	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and an Area Clearance toolpath (with the 'Adaptive Stepdown' option enabled) is generated for any Assembly, many unnecessary entry movements in the same cut level are observed.
32.	CW-115407	CSR-20436	Help	CAMWorks Help documentation information related to 3 Axis Mill parameter "Chordal Deviation" is incorrect and needs to be rectified.
33.	CW-115368	CSR-20463	Operation	For any Mill-Turn part, when the turn feature section plane is rotated by a certain angle then sub-spindle Face Mill Setup X-axis direction gets rotated by the same angle every time when it is edited.
34.	CWR-2041	CSR-20432	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and a Pattern Project toolpath is generated for the specific part with 'First cut from' defined as 'top of feature' and cut amount set to "1", it is observed that the toolpath goes above the top of the feature ignoring assigned limits.
35.	CW-115350	CSR-20423	Operation	For the specific Mill part, if operations are generated using the 5 Axis machine pre-defined in the customized TechDB, then it is observed though some of the Setups are within the defined indexing angle limits, CAMWorks labels them as out of limit.
36.	CW-115200	CSR-20363	UIF	In the Assembly mode, the hog nose tool 'End Radius' displayed in the 'Tool Select Filter' shows a "0" value. However, the value is displayed correctly in the Tool Preview window.
37.	CW-115100	CSR-20293	Simulation	For the specific Mill part, if pause on collision is selected in simulation and then shift plus simulation is done on any operation to get previous WIP then CAMWorks goes into an endless loop.
38.	CW-115061	CSR-20185	Feature	In Mill mode, the Thread Hole feature created by Automatic Feature Recognition/ Extract Machinable Features does not apply the selected Tapping strategy due to wrong Spindle parameter in the Technology Database. However, if the same feature is created manually and the desired threading strategy is applied, it works correctly.
39.	CWR-2033	CSR-20153	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' for the specific Mill part, then the toolpath generated for Z-level machining is of poor quality if the non-cutting portion is tapered. It also increases the toolpath length resulting in increased cycle time. However, it was working correctly with CAMWorks 2019 for the same parameters.



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40.	CW-115018	CSR-20158	Feature	While inserting any 2.5 axis feature, if we Pick an Incorrect face to define the feature hangs the SolidWorks application.
41.	CW-115013	CSR-20111	Feature	For the specific Mill part, when EMF command is executed in CAMWorks 2022 the slot feature is not getting recognized correctly by AFR. However, the slot feature is getting recognized correctly by AFR in CAMWorks 2021 and older versions.
42.	CW-115011	CSR-20140	UIF	For the specific Multi-Axis Mill part, the Multi-Axis Parameters on the Posting tab are blank on opening operation parameters for the first time.
43.	CWR-2031	CSR-20136	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' for the specific Mill part and if the Ramp linking type is selected, the 'Link Moves' move off the feature surface on Z-Level operations.
44.	CW-114991	CSR-20097	Feature	For any Mill part, Incorrect Feature Condition for Part Perimeter Boss Feature are displayed upon generating of Features.
45.	CW-114960	CSR-20080	Operation	For the specific Mill part with complex geometry, when changing the 'Automatic Contain Area' parameter CAMWorks application gets unstable.
46.	CW-114959	CSR-20073	Help	In TechDB help, the information provided in the Mill Machine Parameters Form – Specifications page about the 'Avg. Index Time' is not correct for mill machines.
47.	CW-114846	CSR-20016	TechDB	For the specific customized TechDB, the GOP, Edit Tool Path and Post take considerably longer time.
48.	CWR-2027	CSR-19989	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' for the specific Mill part, then the Area Clearance toolpath generated for this part has an incorrect arc with wrong end point which causes error on the machine.
49.	CW-114818	CSR-19997	Toolpath	For any Mill part, Lead-out not following the Radius
50.	CW-114815	CSR-10780	Toolpath	The VoluMill toolpath with Entry Hole is making the wrong rapid plane while Generating Toolpath. However, if Edit Definition is used for entry method (Bore) toolpath then we get the correct direction.



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51.	CW-114642	---	Operation	For all the Mill operations on the face (of a Mill-Turn Machine), users have the option of posting the toolpath using X+ coordinates. This checkbox is available under NC tab. This parameter needs to be made active even when turret type is set to 'Fornt1' or 'Front2'. Also, the post must support this functionality so that the X coordinates are always output as positive values.
52.	CW-114613	CSR-19857	Operation	For any Mill part, if Tap strategy is defined for a specific stock material, then on GOP it does not select the correct tool ID for that specific Stock material.
53.	CW-114593	CSR-14260	Operation	For the specific Assembly file, while generating Operation plan CAMWorks selects tool that are not active in the database and are also not present in Tool crib priority.
54.	CW-114566	CSR-9721	Operation	When the Reverse Cut type option is checked, the 'Canned Cycle output' checkbox in Program point group box grays out and it cannot be checked.
55.	CW-114508	CSR-19768	Assembly	When the two parts of an assembly having different stock materials are defined in the stock manager, and the operation plan is generated for it. However, in the Feed/Speed tab for calculation of both the parts it always uses the material defined for the first part.
56.	CW-114467	CSR-19692	ShopFloor	For the specific Mill part file that has been programmed using CAMWorks and published as a ShopFloor file, the coordinate system is not displayed when this published file is opened in the CAMWorks ShopFloor application.
57.	CW-114355	CSR-19609	Toolpath	For a specific Mill part with Multisurface feature deep cavity area, when the operation parameter type is set to "Adaptive" Pattern Type in the 3 Axis Mill Machine the toolpath is not generated for Multisurface feature having deep cavity area.
58.	CW-114348	---	System	After changing the path to the post processors, when an existing part is opened, the path to the post processor changes but the selected post processor is the first from the folder and not what was saved with the part.
59.	CW-114297	CSR-19599	Toolpath	For any Mill part, when the toolpath for Contour Mill operation is generated with the toolpath centre option set to 'Without Compensation', then the generated toolpath contains some very small moves which causes machine error.
60.	CW-114276	CSR-19562	Feature	For the specific Mill part, when the curve feature is inserted using a 3D sketch, it generates incorrect feature profile.



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61.	CW-114182	CSR-19546	Simulation	In simulation, if the option 'Up to Current' is selected along with 'Pause on Collision', then an option which allows to abort the Simulation or Ignore Collision to continue rest of the simulation needs to be added.
62.	CWR-2014	CSR-19471	Toolpath	For the specific Mill assembly, Generate Toolpath - Error 105 when change Mach. deviation.
63.	CWR-2011	CSR-19356	Toolpath	For the specific Mill part, the toolpath generated for the 3d Stepper Flowline toolpath incorrectly links the passes on this part.
64.	CW-113183	CSR-19261	UIF	In the Mill-Turn mode, Tool is Incorrect and varies in display on the Sub spindle Turning.
65.	CW-113127	CSR-15401 CSR-4304	Operation	For the specific Mill part, while generating operation plan with the Tool Crib Priority checkbox checked, then it does not select the proper tool for the operation.
66.	CW-113122	CSR-19185	TechDB	In the TechDB, for any hognose tool if the entered end radius value is same as the flute length, then an error message about the 'Effective Cut Length' is displayed which is not present in the User Interface.
67.	CW-113012	CSR-19071	Feature	In Assembly mode, if any multisurface feature exists under one or more setups and any new Multi Surface feature is interactively inserted, then the default name assigned is a duplicate of the existing Multi surface feature name.
68.	CW-112945	CSR-19034	Feature	For the specific Mill part, while executing the Automatic Feature Recognition the part features are getting recognized incorrectly.
69.	CW-112934	CSR-18993	Operation	For any Mill part, when "Tool Crib Priority" is set to active and GOP command is executed, the appropriate tool as per the tool expression from the database does not get selected. The tool is getting selected from the Tool crib and do not consider the largest fitting circle at OP tool crib.
70.	CW-112922	CSR-19005	Help	Modify the description for the parameter "OPR_THREAD_PITCH" in UPG help file to let users know that this parameter is supported not only for Lathe machines but also Mill machines.
71.	CW-112903	---	System	Older versions of the VC Runtime 2005, 2008 or 2010: These versions of the Visual C++ library are already obsolete and in their current form may pose a security risk.
72.	CW-112705	CSR-18695	Toolpath	VoluMill is ignoring the Fixture Avoid area while generating the toolpath. Which is resulting in gauging of the Avoid fixture part and the target part near the Avoid area.



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73.	CW-112186	CSR-14219	Simulation	If any operation is assigned a tool with invalid geometry (due to incorrect shoulder length of the tool) and its toolpath is simulated, then a provision must be available to auto-correct this shoulder length value error so that simulation can occur smoothly. This auto-correct must happen when user opens the operation to edit it.
74.	CW-112168	CSR-18516	System	For any Mill part, the 2.5 Axis rest roughing toolpath performance issue by WIP on a part perimeter feature.
75.	CW-112076	CSR-18508	Operation	In XY Stepover, the Cut amount field allows you to enter in '-0in' amount without displaying any warning message.
76.	CW-112000	CSR-18414	TechDB	In the default Technology Database, in Mill Tooling for threading no Sub-Spindle Setup strategies are displayed.
77.	CW-111977	CSR-18381	Toolpath	For any turn part, when the cut type is set to 'Radial' and Canned Cycle parameter is set to On then the toolpath generated for OD Rough turn feature does not have correct direction.
78.	CW-111718	---	Help	The functions "IAddContainAreaUsingSketches" and "IAddAvoidAreaUsingSketches" are not documented in the API help documentation (CWApiHelp.chm).
79.	CW-111522	CSR-18081	Operation	In the Assembly mode, The Probing operation does not consider correct coordinate system for generating output. The Machine coordinate system gets considered even when the 'Part setup origin' option radio button is selected in the Setup Parameters dialog box.
80.	CW-111401	CSR-17970	Toolpath	The VoluMill control "Machine Cavities" does not change the toolpath for conditions it is intended to. This was implemented under CAMWorks 2021 SP1 with a registry switch but no longer works.
81.	CW-110720	CSR-17697	Assembly	In assembly mode, all the Assembly Features and Assembly operations do not get imported into other assemblies.
82.	CW-110578	CSR-17647	Feature	When feature depth is defined in both the directions and island is selected using part edge then the island is not defined in both the directions which overcuts the island.
83.	CW-110527	CSR-17576	Toolpath	Multi-axis toolpath violating the gouge check surface.
84.	CW-110486	CSR-17543	Toolpath	For the specific Mill part, the VoluMill toolpath generated for a Tapered and Filleted feature does not observe the selected Start point for it.
85.	CW-110050	CSR-17370	Operation	In 5-Axis Mill machine, within the Pattern tab of Multiaxis Drill operation, the 'Pecking' drill type parameter is unavailable.



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86.	CW-109938	CSR-17249	Simulation	The CAMWorks 3D Simulation shows gouges on the part that are not present.
87.	CW-109748	CSR-17166	Toolpath	For the specific Turn part, when the Retract parameter is set to 'Direct' then the turn finish operation gouges the part.
88.	CW-109701	CSR-17120	System	For the specific part, if the CAMWorks Features are edited or the Rebuild operation is executed then the SolidWorks application crashes.
89.	CW-109694	CSR-17143	Features	For the specific Mill-Turn part, the Basic Turn Feature Recognition displays incorrect features for it.
90.	CW-109575	CSR-17054	Feed & Speed	When using the Feed & Speed library to define feeds and speeds for a center drill operation of the specific part, the displayed feed rate and spindle speed is based on the shank diameter instead of pilot (drill) diameter of the center drill tool.
91.	CW-109565	CSR-17036	Operation	In Multiaxis Mill machine, within the Pattern tab of Multiaxis Mill operation user interface, the 'Contact point based cutting direction' parameter is unavailable.
92.	CW-109213	CSR-16919	Rebuild	When specific Assembly files are opened in CAMWorks 2020 SP5 or later versions, and the Rebuild command is executed, it is observed that the existing Mill Part Setup direction gets flipped.
93.	CW-107819	CSR-15437	Simulation	Simulation results for the specific part does not show good surface finish even with tight tolerance. However, the toolpath generated is smooth.
94.	CW-106691	CSR-15919	Operation	Need to display a message when user tries to extend the tool Flute length (L2) more than that of the Protrusion length (L3).
95.	CW-106198	CSR-15700	UIF	'Tool select filter' window functions in the tool tab needs to be enhanced with two features. Which are 1. To provide a provision to resize the Tool select filter window size and 2. To manage the column position for each tool type and save them.
96.	CW-106051	CSR-15610	Toolpath	If Plunge Rough option is used for Rough Mill operations generated for pockets with Chamfers, then it fails to replicate the Plunge Rough parameters for succeeding Rough Mill operations.
97.	CWR-1907	CSR-15668	Toolpath	Add a new error message "Error 222: 3D stepover failed due to the region to cut" when Pattern Project flowline with 3D stepover fails due to the region to cut.
98.	CW-105174	CSR-15261	Post	Add new QUERY_INT_MILL_FEATURE_TYPE and QUERY_INT_TURN_FEATURE_TYPE to get feature types for Mill and turn parts.



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99.	CW-105169	CSR-15261	Post	Add new post variables OPR_Z_FIRST_CUT, OPR_Z_MAX_CUT and OPR_Z_FINAL_CUT for contour and rough mill operations.
100.	CW-105167	CSR-15261	Post	Add a post variable CONTOUR_RAMP_TYPE to output Ramp selection of contour mill operation.
101.	CW-104857	CSR-15179	Post	When compiling Post where the Source file is in a folder with a special character, the CTL file does not get compiled and no error message is displayed.
102.	CW-104681	CSR-15077	Operation	Make the thread mill operation tool parameter 'Minimum hole diameter' editable at the Operation Parameters dialog box.
103.	CW-102911	CSR-14176	Operation	In Assembly, the probing operations do not update their positions when Work Coordinate System are updated which can result in smashing of the probe tool.
104.	CW-102831	CSR-14187	Rebuild	For the specific Mill part, if the part perimeter feature is selected for Feature recognition under CAMWorks option then the application crashes on executing 'Extract Machinable Features' command.
105.	CW-102613	CSR-14144	Toolpath	For the specific Mill part having open pocket feature with islands, incomplete Contour Mill toolpath gets generated for one of its islands.
106.	CW-101226	CSR-13536	Rebuild	For any Turn part when the part file is edited, CAMWorks does not updated the Features and toolpath correctly.
107.	CW-100948	CSR-13397	Feature	For any Mill part with curve feature profile, the direction of cut displayed is incorrect. This issue is observed when choosing the two curve feature profiles simultaneously.
108.	CW-100455	CSR-13268	Toolpath	In Multiaxis Mill module, under entry/retract tab if 'Smoothing radius' checkbox is checked along with 'Rapid length in tool plane' option with some angle, then the Entry - Retract path is not generated correctly.
109.	CW-99588	CSR-12943	System	For the specific Mill part, when the stock is defined as STL in the Stock Manager and the toolpath is generated for rest roughing, it takes excessive amount of time for generating the toolpath.
110.	CW-97391	CSR-11648	Feature	For improved automation recognizing the slots on this part is critical to making a sale to a large German company.
111.	CW-94467	CSR-10941	UIF	In Multi Axis Mill machine, the option to select 'User defined axis' to rotate the toolpath around it is unavailable.
112.	CW-88376	CSR-9759	Operation	Leadin/Leadout parameters does not get applied to linked toolpaths.



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113.	CW-69033	CSR-11954 CSR-429	Post	In posting, the entry move after retract and rewind is a single feed move, there is a need to add the ability so that it can have rapid move back to the feed distance defined under entry/retract tab and then continue as feed move like other entry moves.