



Resolved CPRs

CAMWorks 2022 SP4

* Please refer to 'What's New' PDF document for details regarding enhancements in CAMWorks 2022.

Sr. No.	CPR Number	Help Desk ID	Area	Description
1.	CW-116304	CSR/-20910	TechDB	In Turn mode, when you right click on any Turn feature in the feature tree and select parameters to view the Feature Parameters dialog box, by clicking on the TechDB ID on the strategy drop-down list launches TechDB application and displays the features and operations. However, data for the wrong TechDB ID is getting displayed.
2.	CW-116058	CSR-20770	APIs	Option to assign Work coordinate offset in Assembly through APIs must be made available.
3.	CWR-2054	----	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced', the Offset Curve option 'Contain only' for Constant Stepover operations behaves like "Contain and Avoid", resulting in incorrect toolpaths.
4.	CWR-2048	CSR-20603	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced', for the specific part's Area Clearance toolpath, the tool diameter is 100% engaged in the 'Area Clearance' 'Pocket In Core' pattern due to incorrectly considering the stock geometry with XY stepover.
5.	CWR-2044	CSR-20516	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and the toolpath is generated for the specific part using Lace Pattern, the resultant toolpath thus has inconsistent behavior for entry moves.
6.	CW-115904	CSR-20694	Assembly	When the Save Operation Plan command is executed for the specific Assembly having a sequence of multiple operations, it causes CAMWorks and CAMWorks Solids to crash.
7.	CW-115762	CSR-20615	Assembly	If CAMWorks is loaded as an Add-in within SOLIDWORKS and for a specific Assembly, if its SOLIDWORKS pattern is edited to increase the number of instances in a specific direction, then it causes CAMWorks/SOLIDWORKS to crash.
8.	CW-115397	CSR-20495	TechDB	When customized TechDB is used in Metric mode and user navigates to User Defined Tools within the Mill Tooling menu, the concerned user interface fails to launch.
9.	CW-115356	CSR-20392	User Interface	In Assembly mode, for any operation when the holder is changed from 'user defined' to 'basic', the holder information gets updated, but the corresponding image and the model does not get updated and remains the user defined only.



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10.	CW-115309	CSR-20399	Simulation	When using Fixture Avoidance with "Avoid All" option is used for the Contour Mill toolpath of the specific Mill part, the NC code crashes but the Contour Mil toolpath move causing the crash is not visible when executing Simulation.
11.	CW-115266	CSR-20385	Simulation	For specific tool with Overall Length (L1) equal to Shoulder Length (L4), a Tool Shank value of zero thickness gets passed to CAMWorks Virtual Machine resulting in collision errors during simulation.
12.	CWR-2038	CSR-20355	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and a Pattern Project toolpath is generated for a filleted surface of a specific mill part, the resultant toolpath is making an incorrect liner link move from the vertical feature edge geometry.
13.	CWR-2033	CSR-20153	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and a Z Level toolpath is generated for a specific part using a tool with tapered non-cutting portion, a poor quality toolpath is generated. Increasing the toolpath length amount causes more cycle time. This issue was not present in CAMWorks 2019 version.
14.	CWR-2031	CSR-20136	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and a Z Level toolpath is generated for the specific part using Ramp linking type, the link moves move off the feature surface and tool contact is lost.
15.	CW-115000	CSR-20093	Toolpath	For the specific Mill-Turn part, the Link move of its Area Clearance toolpath runs through uncut stock with no control available for retracting in Z. This is happening due to presence of an unnecessary feed move.
16.	CWR-2027	CSR-19989	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and an Area Clearance toolpath is generated for the specific Mill part, the toolpath contains an incorrect arc with wrong end point causing error on the CAMWorks Virtual Machine.
17.	CWR-2026	CSR-19943	Toolpath	In Mill mode, when Z Level toolpaths are generated using the Advanced Method, if the cut type for Z level toolpath is changed to 'helical', then it still uses the horizontal arc parameters for calculating toolpath moves though they are not supported for the helical cut type.
18.	CW-114583	CSR-19839	Operation	For Multiaxis mill operation, under Links tab, if you switch from % (Percentage) to mm for the Links threshold parameter, then it displays a value computed on the basis of 50% of the tool diameter instead of 50% of the max stepover.



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19.	CW-114553	CSR-19821	Rebuild	When the specific part file (created in CAMWorks 2016 SP2 version and last saved in 2021Plus SP3 version) is opened in CAMWorks 2022 SP1 version, CAMWorks prompts for a Rebuild of toolpaths which consequently causes its some of its Part Setups to get corrupted. Moreover, CAMWorks does not allow saving of the file.
20.	CW-114551	CSR-18414	TechDB	In the Technology Database shipped with CAMWorks, the Tap-Cutting Strategies for Threading under Mill Tooling, must Sub-Spindle setup strategies. Currently, they are not supported.
21.	CW-114512	CSR-19785 CSR-20128	System	In Turn/Mill-Turn mode, if Z-axis direction is reversed for the user-defined Fixture Coordinate System (FCS), then it does not generate Turn operations under Sub Spindle Setup from the correct direction as the tool orientation is incorrect. This issue is not observed for FCS defined using SOLIDWORKS FCS.
22.	CW-114492	CSR-19762	Rebuild	For specific part, Toolpath doesn't get updated when unsuppressing the Solid Body.
23.	CW-114337	CSR-19639	Configuration	For the specific Assembly, the CAMWorks data gets corrupted when user switches to another configuration present within the assembly file and then reverts to the previous configuration. A warning message stating that CAM data cannot be restored gets displayed.
24.	CW-113733	CSR-19387	Toolpath	Offset Roughing: An issue in the made toolpath, the same pass has been taken repeatedly.
25.	CWR-2021	CSR-19612	Toolpath	For the specific Assembly file, color settings have been assigned CAMWorks Options UI for 3 Axis Finish toolpath moves (yellow) and Link moves (green). On generating Z Level toolpath with zigzag pattern, it is observed that the finish moves are displayed in green (instead of yellow) as it considers those moves as link moves.
26.	CWR-2020	CSR-19596	Toolpath	In Mill mode, whenever any Area Clearance toolpath (for which an Automatic Contain Area with Method set to "All Silhouettes" has been assigned) is generated using 'Advanced' method of 3 Axis Mill toolpath generation, it is observed that the toolpath gets generated beyond the Contain Area.
27.	CWR-2016	CSR-19516	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and the Area Clearance operation is generated for the specific Mill part, it is observed that its toolpath has a retract move with excess height that doesn't consider the applied parameter value during the toolpath link. This occurs even though the Method is set to "Skim".



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28.	CWR-2015	CSR-19501	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and a Slice Pattern toolpath is generated for the specific Mill Assembly, it is observed that the toolpath doesn't apply uniform scallop distance for the XY stepover.
29.	CWR-2014	CSR-19471	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and toolpaths are generated for three identical operations differing only in Machine Deviation for a specific Mill Assembly, one of the toolpaths fails to generate. The toolpath for the operation with Mach. Deviation 0.001 does not get generated and an 'Error 105' message is displayed.
30.	CWR-2011	CSR-19356	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and a 3D Stepover Flowline Pattern Project toolpath is generated for the specific Mill part, it is observed that the toolpath misses many passes, which is not optimal machining.
31.	CW-112980	CSR-19032	Translation	In Chinese Traditional language version of CAMWorks, it is observed that the translation of certain VoluMill parameters is incorrect.
32.	CW-112870	CSR-18950	VoluMill	For the specific part, VoluMill toolpath for a wrapped slot feature has some moves with angle rotation greater than 180deg, which causes the tool to crash through the part because the machine follows the shortest path.
33.	CW-112840	CSR-18875	Turn	Adding a sub spindle operation removes all existing sync codes from the sync manager.
34.	CW-112802	CSR-18833	User Interface	Indexing selection reverts to Automatic upon closing and opening Part Set Up Parameters - Indexing tab.
35.	CWR-1995	CSR-18383	Toolpath	When the 3 Axis Mill Toolpath generation method is set to 'Advanced' and a Z Level operation is generated to machine the mill part from the very top of the mill part within a defined contain area, the Slope options are not allowing the tool to begin machining at the top of the mill part when 'Contact Areas only' checkbox is unchecked.
36.	CW-111783	CSR-18288	TechDB	Within the customized TechDB, user has assigned a user-defined strategy for circular pocket features and assigned it as the default strategy. However, when Extract Machinable Features command is executed, the newly assigned default strategy is not assigned to circular pockets.
37.	CW-111517	CSR-18056	Configurations	For specific assembly, defining origin by 'Part bounding box vertex' in FCS window is showing the error message "Selected entity conflict with the existing selection" when switching the CW Configuration.



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38.	CW-111010	CSR-17873	Toolpath	The Turn Rough Step In toolpath Issue for specific part.
39.	CW-110807	CSR-17701	VoluMill	The cut amount is generated incorrectly in the VoluMill toolpath when the rest machining "from WIP" is selected.
40.	CW-110721	CSR-17737	VoluMill	When VoluMill 2axis is set to Rest Machining using the "Previous Leftover", the toolpath is not correct if GTP from the Mill Setup.
41.	CW-109646	CSR-17067	Post	In Turn mode, the Edit Toolpath functionality doesn't support Z Moves though the XZ section. Consequently, these moves don't get posted in the NC code resulting in errors.
42.	CW-107802	CSR-16440	Mill-Turn	In Mill-Turn mode, the Sub-Spindle Work Coordinate Offsets for the Mill Part Setups don't get updated correctly.
43.	CW-107801	CSR-16448	Toolpath	For the specific Turn part, on toolpath generation, one of its Bore Finish toolpaths changes its retract move which leads to overcutting (Gouge) of the part during rapid move. This happens though "Gouge Check" option is checked.
44.	CW-107036	CSR-16150	Toolpath	Inconsistent chamfer toolpath for identical features in a feature group.
45.	CW-106645	CSR-15852	Toolpath	Rest Machining and WIP generates Irregular toolpath after drill size changes.
46.	CW-105478	CSR-15458	VoluMill	For the specific Mill part, the VoluMill Pre-Drilled Hole option fails to populate the drilling instance for all the instances of a feature group.
47.	CW-104591	CSR-15003	Toolpath	Unexpected Offset Roughing toolpath with multiple air segments.
48.	CW-102642	CSR-14080 CSR-16780 CSR-17650	Feed Speed	When F/S parameter is defined using a Tool, then an option to adjust the feed rate if RPM is changed due to Max RPM limit must be made available.
49.	CW-102507	CSR-14107	VoluMill	If Rest machining option is selected then 2.5 axis VoluMill toolpath, then it does not follow the defined depth of cut for machining.
50.	CW-102419	CSR-14056	Feature	When a 2.5 Axis Mill Curve feature is created using 'Auto select edges for chamfering' option (for both planar and non-planar edges) and the 'Flip direction to cut' option is selected, the material direction for the curve feature doesn't get updated on clicking the OK button.



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51.	CW-100008	CSR-13142	Toolpath	For the specific Mill part, if a Contain Area has been defined, then the Ramp moves of the Contour Mill toolpath with Ramp get generated correctly but don't follow the assigned depth within the contain area.



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Sr. No.	CPR Number	Help Desk ID	Area	Description
1.	CW-115182	CSR-20332	System	The CAMWorks application is unable to restore the CAMWorks data from the specific assembly file which was last saved in CAMWorks 2021 SP2 version.
2.	CW-115089	CSR-20157	Post	In Mill Assembly mode, when stock of type "Pre-defined Bounding Box" is selected, the variables "STOCK_MIN" and "STOCK_MAX" does not output the correct coordinates in posted NC code as per the Coordinate System selected.
3.	CW-115062 CW-113036	CSR-20250 CSR-19123	VoluMill	For the specific Mill part, the VoluMill toolpath generated contains an unnecessary secondary pass.
4.	CW-115028	CSR-20163	Post	In CAMWorks 2022, when a post operation is inserted by right mouse click of a setup, then it is inserted after the last available operation in the operation tree.
5.	CW-115000	CSR-20093	Toolpath	For the specific part, the link moves generated for the Area Clearance toolpath moves through uncut stock at fill depth.
6.	CW-114948	CSR-20068	Toolpath	For the specific Mill part, the Contour Mill toolpath gouges the part on the finish side passes when "Single cut depth" option is checked with "Spring pass" option selected at the side parameter. Gouging is observed at the Lead in.
7.	CW-114947	CSR-10230	Toolpath	For the specific part containing a slot feature with chamfer, the contour mill toolpath generated gouges the part on finish side passes when "Single cut depth" option is checked at the side parameter. The gouge occurs at lead in.
8.	CW-114929	CSR-20051	Toolpath	The 'Optimize Between Groups' option fails to function correctly resulting in repetitive machining of the features.
9.	CW-114820	CSR-12885	Simulation	In CAMWorks Virtual Machine, the Tool touch off point does not generate at the center of the tool radius.
10.	CW-114791	CSR-19952	Post	For Multiaxis machining operations, the variables MCS_X_OFFSET, MCS_Y_OFFSET and MCS_Z_OFFSET returns "zero" value when posted.
11.	CW-114784	CSR-19939	Post	When post header FACE_ARC is set to BOTH then for some face free toolpaths with arcs, the post variable CURRENT_SYSTEM changes to -1 from 512.



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12.	CW-114691	CSR-19927	Toolpath	For any mill part, when the retract point is selected (Arc Centre or point) for Contour Mill toolpath with Ramp option checked then it generates incorrect toolpath. The toolpath makes angular move downwards to the setup XY plane and then retract in Z direction.
13.	CW-114623	CSR-19886	TechDB	In the customized TechDB, the Default Operation Parameters User Interface Page for Probing tool is blank in Inch mode.
14.	CW-114608	CSR-19855	Rebuild	For the specific assembly, the Fixture Coordinate System assigned by the user incorrectly located and doesn't get reset even after multiple Rebuild attempts.
15.	CW-114584	CSR-19841	Feature	When the 'Engrave feature' option is selected for Contour Mill operation, the 'Zigzag' option within Depth processing group box is grayed out. However, when the Rest machining option is changed from 'None' to 'Previous tool' and back to 'None', then the 'Zigzag' option gets activated. This is unexpected behavior.
16.	CW-114564	CSR-19826	Rebuild	For any 2.5 axis Mill part, when any hole group feature is created, if the option is changed to Through in Hole Parameters dialog box and then if rebuild is executed the group feature dissolves.
17.	CW-114550	CSR-19008	TechDB	The parameter "Over Allowance" (negative value input) was renamed to "Min Stock to remove" (positive value input) within the application. This change also needs to be implemented in TechDB.
18.	CW-114526	CSR-19798	Toolpath	Toolpath creates gouge in Rough Passes when Contour Mill Single Depth cut check box is selected.
19.	CW-114515	CSR-19755	Translation	In Japanese language version of CAMWorks, some of the Japanese text strings under the Feed/Speed tab needs to be modified as they are incorrectly translated. They need to be translated in corresponding TechDB UI as well.
20.	CW-114491	CSR-19754	UI	When selecting the "Toolpath center" radio button on the "NC" tab of the contour mill, the parameter images of the NC tab user interface do not change.
21.	CW-114487	CSR-19746	Translation	In Japanese language version of CAMWorks, the English string 'Barrel tooling' need to be localized at three locations within the user interface.
22.	CW-114468	CSR-19713	Translation	In the Chinese Traditional language version of CAMWorks, the string named 'Retract Dist' under the NC tab of Operation Parameters dialog box is missing.
23.	CW-114437	CSR-19729	Feature	The Curve Feature with the 'edge break' strategy for chamfering by the EMF is incorrect. The Feature is correct if added manually.



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24.	CW-114361	CSR-19684	Simulation	In Turn mode, when a Prime Turn/Diamond/User Defined Turn tool is assigned to a Turn operation and user assigns Gage Offsets under Station page of Tool tab for CAMWorks Virtual Machine simulation, it is observed that these offset values get reset back to original values.
25.	CW-114333	CSR-5970	UI	If the Replace tool option is used in Tool tree tab with assembly tool crib then after selecting the Ok command on Tool Select Filter dialogue box it again opens a new dialogue box listing all the assembly tools which is not necessary.
26.	CW-114310	CSR-19615	Translation	In Czech language version of CAMWorks, in Turn module, some of the Czech language text strings under Tool tab UI need to be updated.
27.	CW-114217	CSR-19521	Operation	The face milling operation for the specific Mill part with automatic angle, changes the direction of cut along with an error message. This happens only when the avoid area is applied.
28.	CW-114181	CSR-19541	Feature	For any Mill part, the lines within the pocket features are not automatically added when shift keys are used to add the feature.
29.	CW-113909	CSR-19503	System	When Fixture Coordinate System is defined using the stock vertex and CAMWorks configuration is used then the mill part setup changes its location after saving and reopening the part.
30.	CW-113786	CSR-10496	TechDB	The assembly tools do not get replaced when any tool is selected from the TechDB.
31.	CW-113779	CSR-17682	Assembly	For any Assembly part, the "Insert Mill Part Setup" option cannot be selected for the second Feature Manager.
32.	CW-113778	CSR-19439	Toolpath	In Turn mode, when the depth of an ID feature is changed and the part is Rebuilt, the Drill cycles are not updated to reflect the updated feature depth.
33.	CW-113489	CSR-19308	Translation	In the Spanish language version of CAMWorks, some of the Spanish strings under the Geometry tab of Operation Parameters dialog box for 3 Axis operations need to be modified.
34.	CW-113165	CSR-19234	Toolpath	For Contour Mill toolpaths generated for hole/circular pocket features, the Retract move out of the hole/pocket becomes angled when the 'Retract between features' is set to 'Use Skim Plane'.
35.	CW-113034	CSR-19096	Toolpath	For any Mill part, if the Contour Mill operation is defined for a Curve feature with the lead in point defined at the start point, then it does not calculate correct lead out and the lead in/out overlap moves.



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36.	CW-113027	CSR-19099	Toolpath	Error when Turning off all cutter compensation produces varying toolpaths with specific tool
37.	CW-112973	CSR-19042	Toolpath	Rough Toolpath generation missing with 0 allowance
38.	CW-112928	CSR-19003	Toolpath	Gouge check does not work with avoid areas in place
39.	CW-112879	CSR-18937	Toolpath	The wrong toolpath in combination with "Look ahead" and spring passes in contour milling.
40.	CW-112865	CSR-18924	Toolpath	Plunge Rough does not generate a correct toolpath when WIP is active.
41.	CW-112163	CSR-18548	Toolpath	For the specific assembly, the toolpath generated with full radius comp and ramp as cut amount, directly goes to the feature depth, and then moves up.
42.	CW-112121	CSR-18516	Toolpath	The 2.5 Axis rest roughing toolpath issue by WIP on a part perimeter feature.
43.	CW-112059	CSR-18479	Assembly	In Assembly mode, the sub-spindle coordinate gets rotated when the stock geometry is changed and the toolpath is regenerated. It gets corrected only when the sub-spindle coordinate is refreshed from the part manager.
44.	CW-111591	CSR-18116	Setup Sheet	For any Centre Drill and Bore operation, the Tool ID variable from the Tool tab is not passed into Setup Sheet data.
45.	CW-111568	CSR-18090	Toolpath	In the attached part, wrap feature toolpath has some moves with angle rotation greater than 180deg which causes tool to crash through the part because machine follows the shortest path
46.	CW-110761	CSR-17757	Rebuild	In the Assembly mode when any changes are done for the stock, the Stock does not update Toolpath automatically unless regeneration is performed consecutively for two times.
47.	CW-110575	CSR-17628	Operation	For the specific Mill-Turn part, the work co-ordinate offset defined for some setups change to sub-spindle work offset after doing full GTP.
48.	CW-110260	CSR-17493	Assembly	When a Pattern Project operation is imported from a part file into an assembly, it is observed that the directions of the flow line curve sketches are incorrect.
49.	CW-110090	CSR-17429	Toolpath	For a specific Mill part, specifying a Contain Area to reduce the number of holes to be machined excessively increases the machining cycle time.



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50.	CW-110074	CSR-17413	Toolpath	Multiple Spring passes causes Gouge Check alarm when generating toolpath
51.	CW-109863	CSR-17222	Toolpath	For the specific mill part, incorrect Contour Mill toolpath is generated when Leadin and leadout is applied. This happens when the gauge check option is enabled under the NC tab and the entry method is set to 'Spiral'.
52.	CW-109594	CSR-16999	API	For CAMWorks Tolerance Based Machining, no API supporting machine-to-mean is available.
53.	CW-109050	CSR-16809	System	When user loads CAMWorks 2018 or 2019 version as an add-in within CAMWorks Solids, then a script error message pop up is displayed during launch.
54.	CW-109031	CSR-16546	Toolpath	For the specific Turn part, CAMWorks fails to generate toolpath for the Groove Finish operation generated for Face Groove feature when a user-defined turn insert is used.
55.	CW-107505	CSR-16258	Toolpath	In the attached part, drill toolpath generated for a group hole feature does not follow the selected optimization method inside to Out
56.	CW-107017	CSR-16108	Toolpath	The wrong leadin move is observed for the Contour Mill toolpath during the spring pass move. This happens when the gauge check option under NC tab is enabled with the Toolpath Center set to 'without compensation'.
57.	CW-106919	CSR-15960	Toolpath	Contain Area corrupts the ramp toolpath depth cut increments.
58.	CW-106808	CSR-15887	Toolpath	For the specific Mill part, the Contour Mill toolpath with Chamfer machining generated for the Curve feature. If the leadin type is set to 'Arc' and a negative leadin overlap is applied, it is observed that the negative overlap doesn't work.
59.	CW-106798	CSR-12879	ShopFloor	When a SOLIDWORKS file which was saved in any older version is used to Publish a ShopFloor File from the latest version of SOLIDWORKS without first saving it, then such ShopFloor file will not load in the ShopFloor application.
60.	CW-106229	CSR-15718	Toolpath	In an Assembly, for the Contour mill toolpath the Chamfer depth is wrong when the Avoid Area is active.
61.	CW-104848	CSR-15164	Assembly	In assembly, when SOLIDWORKS configuration is changed and existing CAMWorks configuration is copied then it does not allow to add or work on new SOLIDWORKS configuration part because Feature Manager gets suppressed.



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62.	CW-104497	CSR-14968	Feature	When creating an open contour feature, the direction of cut is not in the correct direction when generated by surfaces. Even after changing it by 'Flip direction to cut' from the feature edit window and save, it returns to the earlier condition.
63.	CW-104296	CSR-14866	TechDB	In the TechDB application, the error messages need to be improved when the TechDB application couldn't connect to the TechDB database file.
64.	CW-104170	CSR-14803	Simulation	For the specific Mill part, the target part displayed in Simulation mode is incorrect. This results in incorrect Comparison.
65.	CW-102286	CSR-13919	Turn	When any Retract option is set (Preset Position/Auto/Retract Point then Reset) under NC tab for a Bore Rough operation generated for the specific Turn part, it crashes the part.
66.	CW-98497	CSR-12450	Operation	For Turn and Drill operations, when the Spindle mode is "SMM" and the feed type is "FPR", it is observed that the machining time displayed for the Feed move in Statistics tab is a large incorrect value.
67.	CW-98103	CSR-12273 CSR-14446 CSR-17648	Toolpath	Toolpath generated for taper feature does not consider the taper angle and generates toolpath in the opposite angle direction.
68.	CW-98084	CSR-12274	Toolpath	For the specific Mill part, the Contour mill toolpath generated for a curve feature seems to correct but when posted it generates some unwanted arc moves that gouges the part.



CAMWorks 2022 SP2

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Sr. No.	CPR Number	Help Desk ID	Area	Description
1.	CW-114429	CSR-18857	System	From CW2022 SP0 version onwards, when CAMWorks is loaded as an Add-In within SOLIDWORKS without a valid license, it causes SOLIDWORKS to crash instead of running in Demo mode. This happens when the language setting is any language other than English.
2.	CW-114351	CSR-19655	Operation	Specific Turning operation using Prime turning insert doesn't get posted when the Canned cycle output checkbox is checked.
3.	CW-114301	CSR-19217	System	The specific assembly when loaded in CAMWorks causes SOLIDWORKS to crash.
4.	CW-114183	CSR-19473	Operation	Difference in machining time for operation with same parameters in CW2019 and CW2022 version.
5.	CW-113871	CSR-19416	Tool	Default tool attachment point for custom holder is in the wrong place
6.	CW-113777	CSR-19407	TechDB	In TechDB SQLite, if any strategy is created with apostrophe ('), then an error message pops up and will not be able to create the strategy with that.
7.	CW-113699	CSR-19405	Features	Problem with Open Pocket feature it ignores Feature Sketch.
8.	CW-113493	CSR-19327	Mill	The specific Multiaxis operation is not allowing a scallop value.
9.	CW-113484	CSR-19226	TechDB	In TechDB, under tap cutting strategies, the depth criteria condition added for tools from 156 to 215 are wrong, by default it should be (Feature depth - 0).
10.	CW-113482	CSR-19127	Feature	In the attached part, on EMF it does not recognize the hole features
11.	CW-113223	CSR-19271	Toolpath	Model movement is getting slow in the tool path editing in CAMWorks 2022 shows the performance issue.
12.	CW-113222	CSR-19227	Tool	TCP Point not exporting the tip offset with Prime Inserts
13.	CW-113181	CSR-19250	UIF	Metric values are used instead of Inch on Entry/Retract Tab/ Clearance when using the up or down arrows.
14.	CW-113173	CSR-19247	Stock	For a specific Mill part, the stock is not getting updated correctly.



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15.	CW-113162	CSR-19225	Translation	Incorrect translation of few strings for in wrapped feature selection window in Chinese-traditional language.
16.	CW-113161	CSR-19210	UI	When Boring Bars are used for a Bore Roughing or Bore Finishing operations, then the Holder orientation image in the user interface is not correct in CW2022 version.
17.	CW-113143	CSR-19214	Features	Automatic Feature Recognition is unable to find all MS-Hole instances for the specific part.
18.	CW-113122	CSR-19185	TechDB	In the TechDB, for a hognose tool if you enter the end radius same as the flute length then it shows message about effective length which is not available in the UI.
19.	CW-113017	CSR-19076	Operation	In an assembly, have a several identical setups, a new operation is always inserted in the first setup or the wrong setup.
20.	CW-113034	CSR-19096	Toolpath	In Contour Mill operation defined on a curve feature, if lead in point is defined at the start point, then it does not calculate correct lead out and lead in/out overlap moves.
21.	CW-112993	CSR-19075	Stock	For the specific part, if you select the cylindrical stock and change the axis to Y, then it does not calculate the stock and SOLIDWORKS becomes unresponsive.
22.	CW-112902	CSR-18960	Translation	Change of the description of toolpath center under CNC finish parameters in German Language.
23.	CW-112864	CSR-19110	Toolpath	Step Thru performance has dropped dramatically in CAMWorks 2021Plus SP4 and CAMWorks 2022 SP1.
24.	CW-112855	CSR-18916	Translation	Wrong translations in German language.
25.	CW-112843	CSR-18895	Operation	Contour Mill operation with tab has a slight offset of 0.1mm from the part thickness.
26.	CW-112817	CSR-18844	Setup	The CAMWorks Setup orientation changes after switching configs in SolidWorks assembly.
27.	CW-112809	CSR-18841	Toolpath	Canned Cycle: Z Position Error resulting from toolpath calculation issue.
28.	CW-112738	CSR-18733	Stock	The stock by STL file with checking the 'Use to create bounding box' is not displaying at the simulation stock. In the latest release, the said checkbox is not saved after exiting the Stock Manager user interface.
29.	CW-112719	CSR-18645	TechDB	The incorrect 'Range Overlap' warning message or there is no message warning where required is observed at the Turn Feature and Operations UI of the TechDB.
30.	CW-112692	CSR-18695	VoluMill	For the specific part, the VoluMill toolpath is ignoring the Avoid Areas.



Sr. No.	CPR Number	Help Desk ID	Area	Description
31.	CW-112681	CSR-18692	VoluMill	The VoluMill toolpath generated for the Perimeter Open Pocket feature is not correctly computing stock at the air segment boundary area. Working correctly in CW 2019 release.
32.	CW-112567	CSR-18681	Toolpath	For a specific Mill assembly, while generating toolpath using WIP option for Z-level operation, the CAMWorks application crashes.
33.	CW-112514	CSR-18614	VoluMill	The specific VoluMill toolpath ignores possible entry points and is unable to create the entry drill operation when the rest machining is set by WIP considering any stock type.
34.	CW-112172	CSR-18550	Toolpath	For roughing operation with "plunge rough" pattern, the parameter "final cut amount" is greyed out as per the application. But while generating toolpath it will consider the value which is previously added to that parameter, which is wrong.
35.	CW-112098	CSR-18491	Setup Sheet	While outputting the machining time into setup sheet, it calculates only the feed time and rapid time and does not consider the non-cutting time.
36.	CW-111721	CSR-18165	Features	For the specific part, wrong feature creation using sketch observed during Automatic Feature Recognition.
37.	CW-111621	CSR-18142	Operation	For the attached customer file, the drilling operation displays machining time as 1200 mins which is incorrect.
38.	CW-111505	CSR-18021	Simulation	Strange undercut is seen in the attached assembly file during simulation.
39.	CW-111502	CSR-18068	Toolpath	In Mill-Turn, editing the Circular Pattern instances and executing the Generate Toolpath is switched the sequential approach to making the alternating move the toolpath considering the pattern.
40.	CW-111477	CSR-18052	Machine Simulation	Single Stock/Part STL files created for both Main and Sub Spindles when running CAMWorks Virtual Machine.
41.	CW-111458	CSR-18014	Toolpath	The specific Turn Rough Grooving toolpath is making the retract move cause the gauge. This happens when either the radial or axial allowance is making "0" allowance.
42.	CW-111399	CSR-17996	Toolpath	A Negative Leadin/Leadout Overlap on a curve feature will produce an incorrect toolpath
43.	CW-111354	CSR-17921	ShopFloor	For the attached customer assembly file ShopFloor file is published, but unable to open the file in ShopFloor application.



Sr. No.	CPR Number	Help Desk ID	Area	Description
44.	CW-111024	CSR-17885	Toolpath	The contour mill toolpath on the pocket feature is making the overcut move when the entry method is "spiral" with "Without compensation". This happens when the leading type is either "Parallel" or "Arc". Work correctly with the entry method "None".
45.	CW-110726	CSR-17748	VoluMill	The 3 Axis VoluMill toolpath on this part has unneeded toolpath moves at the bottom level of the toolpath.
46.	CW-110725	CSR-17747	VoluMill	For the specific Mill part, the toolpath generated using 3Axis VoluMill generates unnecessary additional moves at the top of the stock.
47.	CW-110545	CSR-17552	System	Multiaxis: performance Slow opening operations.
48.	CW-110061	CSR-17385	VoluMill	2.5 Axis VoluMill doesn't follow designated leadin point when the Pocket feature has a bottom radius
49.	CW-110064	CSR-17383	Operation	Avoid area doesn't work when using "On Center" tool condition
50.	CW-109943	CSR-17004	Feedrate	Whenever leadin overlap is added and in link between tab if it is changed to staydown or direct, then the leadin feedrate is not passed to leadin overlap cut and instead XY feedrate is passed which is wrong.
51.	CW-109595	CSR-17005	Rebuild	The stepover changes incorrectly for the specific face mill operation up on Rebuild.
52.	CW-109495	CSR-16957	Toolpath	When Tab cutting is used with CNC compensation ON and "without compensation" then it generates wrong toolpath when perimeter feature is selected.
53.	CW-109298	CSR-16959	Toolpath	Tab Cutting causes Ramping to break up the machining and make air cuts.
54.	CW-106715	CSR-15920	Toolpath	In Contour Mill operation, when Ramp is used along with Tab Cutting parameter, then the toolpath generated is incorrect. As it gets machined at incorrect depth and duplicate passes are generated all over the parts.
55.	CW-106213	CSR-15666	Toolpath	The specific Chamfer Machining Contour Mill operation generated for an Open Pocket feature is expected to machine external sharp corners using a rounded type move. However, the user-assigned external corner radius value doesn't get reflected in the Corner toolpath move unless it exceeds a certain value. Any valid numerical value input by user needs to be applied corner radius value.



Sr. No.	CPR Number	Help Desk ID	Area	Description
56.	CW-105894	CSR-15596	TechDB	When adding and saving tools from CAMWorks to the TechDB, round off errors occur for tool parameters resulting in failure to find the tools on the basis of their Diameter, Shank and Shoulder Diameter values
57.	CW-104876	CSR-15196	Machine Simulation	For the specific Mill-Turn part, the custom Chuck placement defined using a SOLIDWORKS assembly is incorrectly displayed in CAMWorks Virtual Machine.
58.	CW-104298	CSR-14886	Turn	Unsuppressing the specific Turn Rough operation with Pinch turning deletes sync code.
59.	CW-102375	CSR-13992	Toolpath	For the specific Mill part, the 'Cleanup Pass' of the Rough Mill toolpath generated for its Rectangular pocket feature with an island does not work properly except when the Pattern type is set to 'Spiral'. It makes an unnecessary entry spiral move.
60.	CW-101470	CSR-13635	System	The CAM data in specific part file that was programmed using CAMWorks 2019 cannot be restored in CAMWorks 2020 or newer versions.
61.	CW-100232	CSR-13219	System	SOLIDWORKS crashes when switching on CAMWorks.
62.	CW-99974	CSR-13076	Toolpath	For Mill-Turn parts, when the Step Through command is executed for the Rough Mill toolpath generated for its OD feature, the 'Step through' window displays X0 as the first move in posted output which is incorrect.
63.	CW-99354	CSR-12946	Toolpath	The 'Ramp on Leadin' doesn't work correctly in the 2.5 Axis Roughing Entry method.
64.	CW-98952	CSR-12807	Simulation	The specific Multiaxis toolpath is slow to simulate. This happens when gauge check against tolerance value is set by '0' value.
65.	CW-98657	CSR-11036 CSR-11037	Toolpath	For the specific mill part, the Contour Mill toolpath generated for the Slot feature with Taper machines the Air segment leading to incorrect lead-in and lead-out.
66.	CW-98508	CSR-12524	Assembly	Unable to complete associate features operation with the MS feature in assembly mode. After applying the 'Replace' button, the 'OK' doesn't work. Using 'Cancel' to exit the window the application crash.
67.	CW-98199	CSR-12237	Features	For the specific part, the feature definition is getting an offset in Z, when editing the feature and changed the end condition value. This happens when the part body is constructed on the XY plane with made extrude on -Z.



Sr. No.	CPR Number	Help Desk ID	Area	Description
68.	CW-98160	CSR-12292	Post	For Turn Threading operations generated for Turn/Mill-Turn parts, if the Number of spring passes assigned in the Thread tab is '1' and part is post processed, then on post processing, no spring pass is generated. User has to input a value of '2' in Thread tab to get one spring pass.
69.	CW-97974	CSR-12033	Toolpath	For Mill parts and Assemblies with hole features, if an Avoid Area is defined for one of the hole features, then the depth of the Contour Mill toolpaths generated for non-Avoid hole features exceed the chamfering depth resulting in gouging/tool breakage.
70.	CWR-2018	CSR-19563	Toolpath	The tool is gauging due to the wrong depth move of the Area Clearance toolpath in a group of pocket features although the link depth processing is set by 'To depth by region'. OK with the Priv. Engine.
71.	CWR-2009	CSR-19121	Toolpath	The advanced method Z level toolpath does not consider the rest machining by WIP. The valid toolpath is available by the previous method engine.
72.	CWR-2007	CSR-19116	Toolpath	Area clearance toolpath with lace pattern generates some unwanted small moves that can create problem in machining.
73.	CWR-2006	CSR-19051	Toolpath	When Reverse stepover is used in the Area clearance operation with Lace pattern, then it does not change the stepover direction.
74.	CWR-1992	CSR-18326	Toolpath	The Area Clearance toolpath with WIP rest machining is making the poor performance and also the toolpath quality is not satisfactory when regenerating from the legacy engine CAMWorks 2021.
75.	CWR-1989	CSR-18172	System	For the attached customer part, when the Z level operation with contain area is generated then internal crash(Error 105) is observed.
76.	CWR-1916	CSR-15810	UIF	Disable Corner Rounding in Z Level Helical in the UI and GTP as it isn't supported
77.	CWR-1880	CSR-14695	Toolpath	For the specific Mill part for which a Z Level toolpath bounded by a Contain Area has been generated, the user-defined Z allowance value is not considered.
78.	CWR-1814	CSR-13452	Toolpath	For the specific Mill part for which the stock has been defined using an STL file, maintaining the surface finish about X, Y & Z negative allowance is not removing material correctly on the vertical plane. The Z level of the stock has a negative value thus provisioning for material removal but desired removal is not attained.



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* Please refer to 'What's New' PDF document for details regarding enhancements in CAMWorks 2022.

Sr. No.	CPR Number	Help Desk ID	Area	Description
1.	CW-113051	CSR-19126	Post	There seems to be a limit on the number of operations it can post process. CAMWorks is unable to post indexing angles in NC code for Mill parts with numerous operations (200 plus) machined on Multiaxis Mill machines.
2.	CW-113044	CSR-19112	Tool	In Polish language version of CAMWorks, when Barrel tools are assigned to any Mill operation, CAMWorks crashes.
3.	CW-113026	CSR-19103	Toolpath	For the specific Mill part, the Rough Mill toolpath ends up gouging island features.
4.	CW-113011	CSR-19077	TechDB	In the specific customized TechDB, the Save, Copy and Delete buttons available within the Default Operation Parameters user interface for Mill mode remain disabled even after parameters are modified.
5.	CW-113010	CSR-19063	TechDB	In the specific customized TechDB, within the 'Features and Operations' user interface, user is unable to delete any newly defined strategies.
6.	CW-112890	CSR-18971	Rebuild	For the specific part, when the Fixture Coordinate System defined using SOLIDWORKS Coordinate System is changed, then CAMWorks does not display the Rebuild prompt warning message.
7.	CW-112887	CSR-18952	Rebuild	When the Fixture Coordinate System is changed for a part machined on a 5 Axis Mill machine, then after Rebuild, it does not correctly update the indexing angle of the Mill Part Setup until you manually edit the Setup and reselect the Fixture Coordinate System under Axis tab.
8.	CW-112875	CSR-18953	TechDB	Within the TechDB App, no data is displayed for Multiaxis Mill operations within the Mill>>Default Operation Parameters user interface.
9.	CW-112835	CSR-18872	Post	If an Assembly includes an Assembly Feature, then upon Post Processing with APT output, no NC code will be generated for the Assembly Feature and any subsequent mill operations.
10.	CW-112806	CSR-18839	UI	For Contour Mill Operations, under the NC tab of their Operation Parameters UI, the text displayed in all the group boxes is out of order for the Non-English languages.



Sr. No.	CPR Number	Help Desk ID	Area	Description
11.	CW-112773	CSR-18785	Post	For Mill-Turn parts, when the circular pattern is selected for a wrap feature and if the first instance is skipped, then the post code generated displays incorrect rotary angle for the remaining instances.
12.	CW-112701	CSR-18544	Post	Add a header command SET_FIRST_Z_POS_ON_MILL_TC to set ABS_Z_END at the start of the operation after the tool change.
13.	CW-112676	CSR-18543	Post	For the wrap feature toolpath, the output of post variable ABS_Z_END is zero at the start of the operation.
14.	CW-112655	CSR-10384	Toolpath	For the specific Mill part, the Contour Mill toolpath ends up gouging the part due to failure to generate retract move when moving from one group feature to another. This happens when 'Use skim plane' is made active for 'Retract between feature' under NC tab for Contour Mill.
15.	CW-112568	CSR-18663	Rebuild	When the specific part is opened and its toolpath are generated without rebuilding the CAMWorks data, a new feature is generated without replacing the old feature and no Rebuild Error message is displayed.
16.	CW-112564	CSR-18672	Stock	The Stock Manager with Multibody parts is wrong. The Stock Material are not based on all Parts. Was working OK with CW 2020.
17.	CW-112561	CSR-18675	Post	Incorrect 5 axis rapid move line in posted code in CW2021Plus with patterned feature.
18.	CW-112550	CSR-18645	TechDB	Users can define new Turn Feature conditions based on feature diameter in the TechDB and then proceed to select their TechDB IDs when selecting machining strategies for machining turn features. However, if the diameter of the feature is lesser than the lower range of the diameter defined for the Feature Condition, then the operations generated are incorrect.
19.	CW-112302	CSR-18585	Toolpath	For the specific Mill part, the Bottom Finish Contour Mill toolpath is not generated correctly for Irregular Pocket feature.
20.	CW-112162	CSR-18551	Post	Output of the Post variable OPR_Z_FEED is incorrect at the start of all 3 Axis Mill operations.
21.	CW-112090	CSR-18483	Features	Two MS Hole features on the specific part having identical geometry are recognized from opposite Mill Part Setups
22.	CW-112039	CSR-18239	Help	On page 44 of the CAMWorks Installation, the text mentions that "ARPSYSTEMCOMPONENT=0" needs to be included to enable listing of CAMWorks in Add/Remove programs of Control Panel. This text needs to be removed as it is not applicable.



Sr. No.	CPR Number	Help Desk ID	Area	Description
23.	CW-112014	CSR-18426	Toolpath	When the 3 Axis Toolpath generation engine is set to Previous Method, it is observed that the Tapered Shank End Mill of Z Axis toolpath ends up gouging the specific part.
24.	CW-112011	Beta 60096	TechDB	For part in Inch Mode with a Thread Designation in Metric units, it is observed that the Metric units taps are converted and displayed correctly within the application but the corresponding entries for the tool within the TechDB fails to convert these Metric units to Inches units.
25.	CW-111998	CSR-18407	Post	If part is not aligned parallel to the SW plane, then output for post variables STOCK_LENGTH, STOCK_WIDTH & STOCK_HEIGHT is not correct.
26.	CW-111963	CSR-18345	Post	Wrong NC output for pattern features in Assembly mode of CW2021Plus SP2 and CW2022 versions.
27.	CW-111950	CSR-18269	Turn	For specific Turn part, the Groove Rough and Groove Finish toolpath does not generate properly with a user defined tool insert.
28.	CW-111720	CSR-18196	License	On some computers, when the license manager is started in Admin mode, the license information is not written to HKCU and Solids and CW's will fail to find a license.
29.	CW-111565	CSR-17989	Toolpath	The Z level toolpath with corners round parameter is showing the overcut at the corner in simulation in the advanced method. OK with either the toolpath in the previous method engine or with a sharp corner in advanced.
30.	CW-111510	CSR-18055	TechDB	When starting CAMWorks using the SQL database, if Access is installed on the computer, CAMWorks will issue a warning message about using CAMWorks.
31.	CW-111476	CSR-18002	License	On some computers, when the license manager is started in Admin mode, the license information is not written to HKCU and Solids and CW's will fail to find a license.
32.	CW-111429	CSR-17984	Feed Speed	If the 64-bit Feed/Speed database "MicroEstimatingMaterials.meb" is relocated from its default location of 'C:\CAMWorksData\MATLIBx64', then CAMWorks fails to find the Feed/Speed library and displays a message indicating the same.
33.	CW-111021	CSR-17892	Assembly	In Mill assembly, for linked setups, if work co-ordinate is set for one then it does not set that for all other linked setups.
34.	CW-111008	CSR-17794	License	On some computers, when the license manager is started in Admin mode, the license information is not written to HKCU and Solids and CW's will fail to find a license.



Sr. No.	CPR Number	Help Desk ID	Area	Description
35.	CW-110947	CSR-17580, CSR-18138	Simulation	The Contour Mill toolpath simulation with toolpath center without compensation is showing overcut in simulation result considering the target part. This happens when the toolpath is simulating by Shift + Simulate.
36.	CW-110890	CSR-17758	Toolpath	Incorrect Contour Mill toolpaths (Gouging) after selecting Fixtures when the climb cut method is applied. Working without the collision to the fixtures when the cut method is conventional.
37.	CW-110858	CSR-17779	TechDB	In TechDB, under Advance tab of 3 Axis Mill operations, the 'None' option is not available for Automatic Contain Area.
38.	CW-110535	CSR-17577	Help	The License Activation Guide of CAMWorks needs to be updated to indicate that generation of a License Request file can be done via Remote Access and that physical access to the system is not compulsory.
39.	CW-110490	CSR-17553	Toolpath	A negative leadin/leadout overlap on a curve feature will produce an incorrect toolpath.
40.	CW-110091	CSR-17427	Simulation	The simulation doesn't match the toolpath at the part contains the 2.5 axis toolpath. When simulating from the beginning it gouges the part, if you do shift simulate it does not.
41.	CW-109867	CSR-16854, CSR-17441	Post	In the attached multi turret part, when canned cycle is used for lathe drill operations then some of the operations are not posted.
42.	CW-109567	CSR-17059	TechDB	Problem with Tapping Tools comments. When changing the Tool comment of the Tapping Tool and save. While opening the part the tool comment is changed and it retains the old comments.
43.	CW-109526	CSR-17040	Assembly	If adding a second part to the part manager in Assembly mode, after the first part is machined, does not allow menu commands to be active on the Feature Manager.
44.	CW-109236	CSR-16950	Setup	For the specific Mill part machined on a Multiaxis machine, an "Out of limits" warning message is displayed for one of the Mill Part Setups though no selectable angle pair is available in the Indexing tab.
45.	CW-109186	CSR-16906	TechDB	When user saves different Thread Conditions in the TechDB by executing the 'Save Operation Plan' command and using a copy of an existing Thread Condition, then the desired outcome is not achieved. The intended copies are emptied of Thread condition data and the original Thread Condition (from which copies were created) gets over-written.



Sr. No.	CPR Number	Help Desk ID	Area	Description
46.	CW-108547	CSR-16736	Setup	For the specific Mill part being programmed, when user interactively inserts an operation, the operations get listed under the wrong split Mill Part Setup.
47.	CW-108318	CSR-16573	UIF	Isometric view generated with respect to a Mill Part Setup is not correct and does not provide correct orientation of part/stock on the machine.
48.	CW-108260	CSR-16591	Feature	For corner slot features, the segment radius of the Open Air Edge rather than that of the Vertical wall is considered as the Finish Radius resulting in incorrect tool selection on executing the 'Generate Operation Plan' command.
49.	CW-107935	CSR-16424	Toolpath	For a group of Circular Pocket features, if a Chamfer Machining Contour Mill operation with an Avoid Area defined to skip one of the circular pockets is generated, then it is observed that CAMWorks generates an incorrect toolpath for this operation.
50.	CW-107774	CSR-16348	Simulation	For the specific assembly, after simulating the toolpath, when the 'Compare' command is executed, CAMWorks crashes.
51.	CW-107705	CSR-16372	Setup	For the specific assembly programmed to be machined on a 5-Axis Mill machine, when operations and toolpaths are generated for its slot feature, it is observed that the Y axis direction of the Coordinate system is incorrect, resulting in incorrect orientation.
52.	CW-107527	CSR-16290, CSR-16302	Stock	For the specific Mill part, the dimensions of the Bounding Box Stock don't get updated.
53.	CW-107000	CSR-16088	Toolpath	For Contour Mill toolpaths, if the Mirror Toolpath option is executed and the 'Keep Original' option is unchecked, it is observed that the mirrored toolpath shifts towards the original feature area rather than adhering to the Mirror Line.
54.	CW-106409	-----	Toolpath	For the Contour Mill operation generated for the Circular Pocket feature of specific mill part, in its Contour tab, when the Depth parameter is set to 'Equal' and the Ramp value is set to 'Angle', then toolpath fails to generate.
55.	CW-106003	CSR-15616	Mill-Turn	The Sub spindle fixture is not displayed in the correct location for Sub Spindle operations.
56.	CW-105992	CSR-15608	Simulation	For Mill-Turn parts with Probing operations, none of the Turn operations in the Turn Setup listed after the Probe Setup get simulated.



Sr. No.	CPR Number	Help Desk ID	Area	Description
57.	CW-105436	CSR-15415	System	For any part being programmed using CAMWorks, if the tool crib contains too many tools and the user attempts to delete multiple tools from the tool crib, then CAMWorks takes an excessive amount of time to delete the selected tools.
58.	CW-105320	CSR-15307	VoluMill	For a VoluMill Roughing operation, when user executes the 'Save Operation Plan' command to save the Machining strategy to TechDB, it is observed that TechDB fails to save the user assigned VoluMill Ramp angle parametric value. Instead, the default value is retained.
59.	CW-105043	CSR-11142	Toolpath	For toolpaths that have CNC Compensation set to True and the Toolpath Offset set to False, if the leadin is an arc with a tangent line, then the uncompensated toolpath should be created such that the resultant moves too maintains tangency.
60.	CW-104492	CSR-14992	Turn	In Turn mode, two consecutive Groove operations share the same tool and have Approach/Retract set to 'Auto'. The retract point of the first operation serves as the beginning of the second toolpath. However, when tool assigned to the second operation is changed, then Retract point of previous operation is not updated though 'Auto' option is enabled.
61.	CW-103348	CSR-14312	Toolpath	Continuous B Axis Turning toolpaths are not generated for Face Finish operations.
62.	CW-102437	CSR-13963	Toolpath	For specific assembly comprising nested parts, if some of Contour Mill operations are combined into a single operation and the 'Optimize between groups' option is selected under 'Optimization' tab, then the resultant toolpath shifts away from the part.
63.	CW-101844	CSR-13815	Simulation	For Mill parts, if some of Contour Mill operations generated for Rectangular Boss Features are combined into a single operation and "Last closest" from Start point option under Optimize tab is unchecked, then during simulation, erroneous toolpath moves are observed for the boss features.
64.	CW-101841	CSR-13063	Simulation	Legacy Machine Simulation doesn't work correctly when the only CAMWorks license module active is the 4 Axis Mill license and the Rotary and Tilt angles are output automatically with 'Override' option is disabled.



Sr. No.	CPR Number	Help Desk ID	Area	Description
65.	CW-100226	CSR-13227	UIF	For Probe operations, in the UI section of 'Update the WCS', if the 'Use Setup Definition' is disabled, then the option to define the WCS using Fixture, Work Coordinate, and Work and Sub Coordinate becomes active with Fixture being the default. However, this option doesn't become active unless user toggles to one of the other two options and reverts to this option. It affects post processed code in case user doesn't intervene as mentioned.
66.	CW-99899	CSR-13100	System	When CAMWorks is loaded as an Add-In in the SOLIDWORKS environment where a specific Assembly file containing CAM data is already loaded, it causes SOLIDWORKS to crash.
67.	CW-99733	CSR-13063	Toolpath	For the specific Mill part, an incorrect Contour Chamfer Mill toolpath is generated for a group hole feature that has an Avoid Area defined using a sketch not aligned with the Z axis of the Mill Part Setup.
68.	CW-99279	CSR-12932	Toolpath	For Mill part with an irregular pocket feature of specific geometry, the Feature Finish Radius computed for the Roughing and Finishing toolpaths is incorrect as CAMWorks is incorrectly based on the Convex arc of the feature rather than its concave arc.
69.	CW-98964	CSR-12822	UIF	When user uses the 'Go To' command available in the CAMWorks NC Manager to searching for a specific operation and edit it, the UI doesn't allow the user to edit the operation unless the Search window is closed. However, the UI jumps back to the CAMWorks NC Manager item the moment the window is closed, thereby negating the whole purpose of the 'Go To' command.
70.	CW-98790	CSR-12699	Feeds & Speeds	For Mill parts, when Feed/Speed parameter is defined by tool, if the XY RPM is higher than Max RPM, then it must get auto reassigned to the Max RPM value. This behavior is not observed for the specific Mill part resulting in user having to manually change it for every operation.
71.	CW-98768	CSR-12719	Toolpath	For the specific Mill part, the tool used for the Rough Mill operation executes a full diameter cut during machining resulting in damage to the tool or machine.
72.	CW-98352	CSR-12460	UI	When Display tool tip option is enabled in CAMWorks, the value displayed in the tool tip for Lead In feed under F/S tab for a Multiaxis Mill operation doesn't match the actual Lead In feed parametric value.
73.	CW-98315	CSR-10075	TechDB	When using the customized TechDB, in the Mill Tool Select Filter UI of CAMWorks, the Holder designation description is incorrectly displaying 'Null' value when attempting to add a Tool Assembly from the TechDB library.



Sr. No.	CPR Number	Help Desk ID	Area	Description
74.	CW-98002	CSR-12220	Assembly	When an Assemble Face feature is defined for an assembly with a common stock, then after the Rebuild command is executed, the Face feature gets limited to a single part instance rather than covering the common stock.
75.	CW-97587	CSR-11941	Rebuild	Once the Rebuild command is executed for the specific Mill part (for which a Fixture Coordinate System was defined using as Stock Vortex) and the Mill machine select is changed, it is observed that toolpaths shift away from the feature.
76.	CW-96373	CSR-11372	UIF	For Mill parts, when the Coordinate system is modified and toolpaths are regenerated, the checkbox option for Fixture Coordinate System parameter under Axis tab of the Mill Part Setup disappears for the second Mill Part Setup in the Operation tree.
77.	CW-95196	CSR-10959	Feature	If the stock is a sheet metal part and the Feature Recognition method is set to 'MfgView' and the Max hole diameter is set to a small value, then circular shapes are not recognized as Circular Pockets on executing the 'Extract Machinable Features' command.
78.	CW-92540	CSR-10460	Feature	For any Mill part with a Perimeter- Open Pocket feature, if the default End Condition value is changed to any other value less than the part depth, then it is observed that CAMWorks fails to retain the newly saved value.
79.	CW-86451	CSR-8491	Post	For the specific Turn part, the correct NC code is not output for the start point for front turret for Pinch turning Rough Canned Cycle operation.
80.	CWR-2003	CSR-18886	Toolpath	For the specific Mill part, the Adaptive Area Clearance toolpaths doesn't get generated when the Toolpath Generation Engine is set to 'Advanced Method'.
81.	CWR-1993	CSR-18290	Toolpath	Pencil Mill toolpaths created in CAMWorks 2020 with the Previous Engine will not generate in CAMWorks 2021 or later with the Advanced engine.
82.	CWR-1988	CSR-18189	Toolpath	The Z Level Helical Issue is found at the Z level toolpath. Here at the toolpath, the last two lines are being made as normal Z level and not Helical.
83.	CWR-1982	CSR-17926	Operation	Slope Angle is not observed for the Radial pattern.
84.	CWR-1980	CSR-17716	Toolpath	The number of line move deviation point at the horizontal lead in/out move is not increase considering the mech. deviation value in an advanced method. By the same parameter the line points are increase with previous engine.



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* Please refer to 'What's New' PDF document for details regarding enhancements in CAMWorks 2022.

Sr. No.	CPR Number	Help Desk ID	Area	Description
1.	CW-111624	CSR-18140	Machine Simulation	In CAMWorks Virtual Machine, incorrect tool shape is displayed if the shank type is set to Neck.
2.	CW-111615	CSR-18139	Operation	For the specific part, when edit definition is performed on Face Rough operation, then it is observed that the display of the Turn Holder is incorrect.
3.	CW-111605	CSR-18120	Post	Incorrect value is output for the retract plane of a drill operation generated for a linear pattern of hole features which are at different planes.
4.	CW-111595	CSR-18071	Post	In Mill-Turn mode, when the toolpath for a pattern of features is posted where the first instance is suppressed then, the posted NC code will include the co-ordinates of the suppressed instance. As the feature instance is suppressed then, the co-ordinates of the suppressed instance should not be post processed.
5.	CW-111521	CSR-18083	Post	Incorrect values are observed in a posted output for Multi axis mill operation generated on patterned multi surface feature.
6.	CW-111514	CSR-17920	API	Add API declarations for CWMillMachine.
7.	CW-111389	CSR-17973	Operation	With the customized TechDB, a crash of CAMWorks is observed when the user does Save Operation Plan on the features machined in the specific part.
8.	CW-111074 CW-110718	CSR-17888 CSR-17727	API	Add an API to set the option of selecting 'Fixture Coordinate system' under X machining direction in the Mill Part setup parameters.
9.	CW-111004	CSR-17852	Post	In Assembly mode, when output subroutines are set to On then, extra sub programs are posted which is not required.
10.	CW-110983	CSR-17654	TechDB	A crash of CAMWorks is seen while opening any part or assembly in inch mode with the specific TechDB.
11.	CW-110960	CSR-17808	Rebuild	For the specific assembly file, a crash of CAMWorks is seen when rebuild is performed in the existing CAM data.
12.	CW-110945	CSR-17796	Rebuild	For the specific assembly file, a crash in CAMWorks is seen upon performing Rebuild after changing the end condition of multi stepped holes from Through to Blind.



Sr. No.	CPR Number	Help Desk ID	Area	Description
13.	CW-110754	CSR-17163	Machine Simulation	Add a new header command "USE_COMBINATION_ID_AS_NAME_WHEN_AVAILABLE" to pass the combination id as the tool name to CAMWorks virtual machine.
14.	CW-110639	CSR-17686 CSR-17699 CSR-17836 CSR-17615	UIF	When the 3 axis Mill toolpaths are regenerated then, the process manager dialog box does not close automatically.
15.	CW-110607	CSR-17669	Operation	In 3 axis operations, when the option of "Convert to 5 axis" is selected then, the commands of step through, simulation and posting in the CAMWorks command manager get disabled.
16.	CW-110600	CSR-17620	Feature	For the specific part, when a face feature is created using a sketch then, it is flipped by 180 degrees rendering the feature unusable.
17.	CW-110558	CSR-17594	TechDB	In TechDB, the user set option for "Use Feed/Speed library for mill" doesn't affect the Face mill operations.
18.	CW-110487	CSR-17549	Operation	In Contour Mill operations on combined features, the leadin and lead outs are not same on all features even though the option of apply leadin/outs to all is set to True.
19.	CW-110359 CW-99329	CSR-17511 CSR-12948	Feature	The part edges identified for chamfering through the option of "Auto select edge for chamfering" should consider the part setup direction so that the toolpath doesn't gouge the target part.
20.	CW-110352	CSR-16946	TechDB	In Polish language version of CAMWorks, when the user defined holder namely "Użytkownika" is saved in TechDB, then the string is replaced with "Uzytkownika" ignoring the second letter ("ż").
21.	CW-110259	CSR-17488	Toolpath	For the specific part, the toolpath generated for Rough Mill operation with pattern type set to offset roughing, ignores the user defined avoid area.
22.	CW-110065	CSR-17399 CSR-17369	Post	When a newly compiled post processor is used to post the Mill toolpath then, the values output for arc moves are incorrect. Instead of outputting the incremental values, the post processor posts the absolute values.
23.	CW-110047	CSR-17364	UIF	When the 3 Axis toolpath generation method is set to Advanced then, then on the rest tab of the operation parameters the controls within the "Boundaries" group box should be disabled if the Rest method is not set to 'Previous Tool'.
24.	CW-110036	CSR-17345	Toolpath	For the customer specific part, a crash of CAMWorks is seen upon generating the toolpaths.



Sr. No.	CPR Number	Help Desk ID	Area	Description
25.	CW-110002	CSR-17315	Post	Add new variables in Universal Post Generator to output values for "CANNED_CYCLE_FIRST_CUT" and "CANNED_CYCLE_FINAL_CUT" for turn rough operations.
26.	CW-109994	CSR-17314	Post	If the post operation is positioned at the end of the operation tree, then upon post processing the codes of the last post operation are incorrectly output.
27.	CW-109975	CSR-17152	Machine Simulation	Update the machinedef.exe file of the CAMWorks Virtual Machine simulation to support the multi turret machines.
28.	CW-109859	CSR-17205	Post	Add a new post variable 'RUNNING_VERSION' that identifies the version and service pack of the CAMWorks that is running.
29.	CW-109830	CSR-17176	Feed & Speed	In Feed and Speed library, for face mill operation parameters the label of "Depth of Cut" should be "Radial depth of cut".
30.	CW-109825	CSR-17154	Help	In Universal Post Generator help file, a note stating that 'OPR_Z_RAPID_PLANE' variable should not be used for Multiaxis operations needs to be added.
31.	CW-109753	CSR-16973	Feed & Speed	In CAMWorks Feed and Speed library, if more than one material is imported at the same time then, the data gets corrupted.
32.	CW-109734	CSR-17154	UIF	In a Multi Axis operation, when the Clearance Plane is defined from a selected point, the UI does not get updated and incorrect value gets posted in the G code.
33.	CW-109651	CSR-17082	Post	Incorrect tool numbers are observed in posted output for toolpaths using tools from same station but belonging to different sub stations.
34.	CW-109572	CSR-17053	Feed & Speed	In the Feed and Speed library, on the bottom left of the Feed and Speed table a handle is observed, when dragged allows to have multiple copies of the table visible which is confusing to the user.
35.	CW-109571	CSR-17053	Feed & Speed	Remove the unwanted entities from the user interface of CAMWorks feed and speed library which create duplicate columns in the table.
36.	CW-109570	CSR-17053	Feed & Speed	In the CAMWorks Feed and Speed library, when any row is copied and saved then no notification is displayed regarding the changes.
37.	CW-109442	CSR-16917	Feature	A crash of CAMWorks is seen while interactively inserting a hole feature in an assembly file using SOLIDWORKS 2021 SP3.
38.	CW-109336	CSR-16962	Toolpath	For the specific part, incorrect toolpath is generated for Contour Mill operation machining a slot feature having an island with chamfer on the top face.



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39.	CW-109301	CSR-16983	Translation	In Chinese Language version of CAMWorks, the labels in the VoluMill Settings dialog box are incorrectly translated.
40.	CW-109299 CW-106672	CSR-16979 CSR-15869	Machine Simulation	If a gang tool is used in a Turn or Mill-Turn machine then, the same is incorrectly displayed in CAMWorks Virtual Machine.
41.	CW-109211	CSR-16937	Feature	On a Mill-Turn machine the user is not able to assign spindle attribute to a mill feature created after doing a rebuild.
42.	CW-109209	CSR-16918	Assembly	When specific assembly files saved in earlier version of CAMWorks are opened in CAMWorks 2022 then, upon doing a rebuild, a message is displayed indicating that CAMWorks is unable to recognize features automatically.
43.	CW-109184	CSR-16909	UIF	Under Additional Probe Parameters, the user can't add negative values for tolerance parameters.
44.	CW-109169	CSR-16878	Feature	On Turn machines having dual spindles, when the user edits the dialog for Main spindle co-ordinate system then, the direction of the Sub spindle co-ordinate system gets changed.
45.	CW-109159	CSR-16874	Simulation	User is not able to simulate the toolpaths generated with tools set as non-center cutting as some of the dimensions result in incorrect tool geometry.
46.	CW-109154	CSR-16679	Post	Add a new query command "QUERY_FEATURE_NAME" to post.
47.	CW-109118	CSR-16831	Toolpath	For circular pocket or hole feature, cutter compensation code is not posted for side passes of Contour Mill toolpath when hole center is selected for entry and exit.
48.	CW-109068	CSR-16776 CSR16856	Feature	For the customer specific part, user is not able to insert a new feature interactively as CAMWorks becomes unresponsive.
49.	CW-109042	CSR-16807	Toolpath	For the specific part, the toolpath generated for a Rough Mill operation with pattern type set to Offset roughing does not machine the feature completely.
50.	CW-108823	CSR-16353	System	With new UPG installed on the system, the user gets an error message as the system fails to trace the installed post folder.
51.	CW-108524	CSR-16720	Toolpath	For the specific part, the toolpath for a Rough Mill operation with pattern type set to Volumill gouges the feature as the location of the entry hole is incorrect.
52.	CW-108488	CSR-16718	Toolpath	For the specific part with stock set by using a STL file, the rapid plane, clearance plane and Z start depths of 3 axis toolpath are incorrect.



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53.	CW-108286 CW-108128	CSR-16609 CSR-17124 CSR-16513 CSR-17077	Feature	With SOLIDWORKS 2021 SP3 a crash of CAMWorks is seen whenever the user does rebuild on the existing CAM data.
54.	CW-108242	CSR-16578	Toolpath	For the specific part, an extra pass gets generated when the existing toolpath of Contour Mill operation is regenerated.
55.	CW-108237	CSR-16549	Post	If canned cycle is used for Turn threading operation, then incorrect values of X and Z start points are posted in the G code.
56.	CW-108069	CSR-16371	Feed & Speed	In Feed and Speed library, when 'Delete Tool Material' is selected then, 'Add Tool Material' dialog box is launched instead of delete tool material dialog box.
57.	CW-108056	CSR-16371	Feed & Speed	In the German version of Material library, the string ASTM number is incorrectly translated.
58.	CW-107814 CW-107813	CSR-16371	Feed & Speed	In the 64-bit Feed and Speed library, the delete tool command invokes the dialog for Add new material.
59.	CW-107811	CSR-16362	Toolpath	For the specific part, the toolpath for a curve project operation cannot be generated
60.	CW-107771	CSR-16408	Operation	When the toolpath of a Rough Mill operation with pattern type set to Volumill and entry method set to Entry drill is mirrored then, the position of the entry drill is not mirrored accordingly.
61.	CW-107491	CSR-16239	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part the user is unable to generate toolpath for Z level operation.
62.	CW-107378	CSR-16204	Assembly	For the specific assembly the user defined FCS from a sketch point is not retained upon closing and reopening the assembly.
63.	CW-106941	CSR-16018	TechDB	In TechDB, the Mill-Turn tool crib for Turn assembly tools allows to select Mill holder. It should not be active when Turn insert-holder combination is selected.
64.	CW-106938	CSR-16003	Simulation	For the specific part setting low variable allowances in Turn operations results in incorrect display of simulation and the part appears to be overcut.
65.	CW-106933	CSR-106933	Operation	In Turn operations the user defined values of Z end in the Turn operation setup are not applied unless the user edits the operations and generates the toolpath again.
66.	CW-106809	CSR-10781	Toolpath	For the specific part, some of the user defined values for corner rounding are not applied to the Contour Mill toolpath and this results in incorrect toolpath.



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67.	CW-106672	CSR-15869	Machine Simulation	In CAMWorks Virtual Machine, the gang tools set in a Mill-Turn tool crib are incorrectly positioned.
68.	CW-106354	CSR-15800	License	Modify the dongle Key Manager program to be able to view COD file so that the resellers can verify the modules included in the COD file.
69.	CW-106258	CSR-15751	Operation	Upon doing a rebuild on a Mill part, the dimensions of the Face feature are not updated and because of this the corresponding operations of the feature are not updated.
70.	CW-106042	CSR-15568	Simulation	When Wire EDM is added as an active add-in along with the CAMWorks add-in then, while simulating the mill toolpaths the flute length of the tool is not displayed.
71.	CW-105995	CSR-15606	Toolpath	For the specific assembly, the orientation of the Mill part setup gets changed to an incorrect direction when the corresponding feature setup is edited.
72.	CW-105399	CSR-15264	Toolpath	For the specific assembly file, the toolpath generated for Contour Mill operation with toolpath center set to with compensation on a curve feature doesn't generate any cut moves.
73.	CW-105348	CSR-15297	Simulation	Incorrect results are seen when a Contour Mill toolpath with toolpath center set to without compensation is simulated.
74.	CW-105184	CSR-15220	Feed & Speed	In CAMWorks Feeds and Speeds library, the resized dialogs are not retained upon restarting the application.
75.	CW-105104	CSR-15186	Operation	User should not be able to select STL files to define the user defined Mill holder.
76.	CW-104634	CSR-15045	Operation	The time taken to open the "Operation Parameter" dialog box is significantly more when the tool crib contains more number tools even though they are not assigned to any operation.
77.	CW-104621	CSR-15004	Toolpath	For the specific part, the turn toolpaths display an incorrect warning message saying that the toolpath is not computed because of a collision.
78.	CW-104154	CSR-14796	Toolpath	The toolpath of a Rough mill operation with pattern type set to Volumill doesn't consider the multiple avoid areas defined using a single sketch and instead considers only a single closed contour.
79.	CW-103903	CSR-14710	Rebuild	For an Assembly file, when the Fixture Coordinate System is defined using the part vertex and when the part is shifted by changing the distance, it is observed that the Fixture Coordinate System does not get updated with respect to part.



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80.	CW-102460	CSR-14072	TechDB	The value set for the spiral ramp angle of a Volumill toolpath is not written to corresponding TechDB field when Save Operation Plan is done on the feature in CAMWorks.
81.	CW-102394 CW-99329 CW-94636	CSR-14049 CSR-12948	Feature	In some specific parts, the time taken to identify curve features for chamfering is significantly high and, unwanted edges are selected as curve features.
82.	CW-102325	CSR-13957	Toolpath	For the specific assembly, the toolpath for Rough Mill operation ignores the defined fixtures and collides with the fixture bodies.
83.	CW-100896	CSR-13390	Operation	When Mill Part setup is manually inserted then, it does not calculate correct rotary and tilt axis under indexing tab of mill part setup if machine is saved with predefined rotary or tilt direction in TechDB.
84.	CW-100891	CSR-13308	Feeds & Speed	In Feed and Speeds library the "Axial depth of cut" option remains disabled unless dialog is refreshed toggling with another operation type.
85.	CW-99223	CSR-12909	Simulation	For the specific part, the stock defined using an extruded sketch is not being set correctly in simulation.
86.	CW-99164	CSR-12871	Toolpath	For the specific part, the toolpath is not generated for Face mill operation.
87.	CW-98683	CSR-12602	UIF	The tool description in the operation name when using a user defined tool is incorrect.
88.	CW-97991	CSR-12174	Toolpath	For the specific part, incorrect toolpath is generated for a Turn Rough operation.
89.	CW-97821	CSR-12111 CSR-12637	Simulation	For the specific assemblies, in simulation the tool makes unwanted moves in space which are not present in the toolpath generated for the features.
90.	CW-95796	CSR-11240	Toolpath	For the specific assembly, the toolpath for rough mill operation with pattern type set to Offset roughing gouges the parts defined as fixtures.
91.	CW-95792	CSR-11157	Feature	For the specific assembly, incorrect depth of the perimeter feature is calculated when the features are recognized through Extract Machinable Feature command.
92.	CW-93545	CSR-10653 CSR-10891 CSR-16504	UIF	The CAMWorks command manager toolbar of Additive Manufacturing gets activated upon restarting CAMWorks even when the user disables it.
93.	CW-92580	CSR-17795	Machine Simulation	The letters used to define the path of CAMWorks virtual machine should not be case sensitive.



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94.	CW-88314	CSR-9682	Toolpath	For the specific part, incomplete toolpath is generated for the Rough Mill operation on an open pocket feature having islands.
95.	CW-85059	CSR-7534	Feature	For the specific assembly, the depth of the part perimeter feature becomes incorrect after a rebuild.
96.	CWR-1986	CSR-18004	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part, the toolpath for the Z level operation with rest machining results in error and no toolpath is generated.
97.	CWR-1985	CSR-17968	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part the toolpath generated for Z level operation does not consider the holder avoidance.
98.	CWR-1954	CSR-17296	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part the toolpath for the Z level operation gouges the part.
99.	CWR-1953	CSR-17300	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part incorrect toolpath is generated for Flat area operation
100.	CWR-1948	CSR-17110	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part incorrect toolpath is generated for Flat area operation.
101.	CWR-1945	CSR-17098	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part the toolpath generated for the Pencil Mill operation displays unwanted moves.
102.	CWR-1918	CSR-15866	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part the toolpath generated for Z level operation does not adhere to user defined allowances.
103.	CWR-1915	CSR-15945	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part the toolpath for Z Level operation is not generated.
104.	CWR-1910	CSR-15671	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then for the specific part incorrect toolpath is generated for the Z level operation as it does not adhere to the user defined values for the slope angle.
105.	CWR-1862	CSR-14253	Toolpath	When the 3 Axis toolpath generation method is set to Advanced then, for the specific part incorrect toolpath is generated for Z Level operation as the user defined avoid features are ignored.