Resolved CPRs

CAMWorks 2022 SP0

* 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.

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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.

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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.