



MASTERCAM 2020 README

April 2019

MASTERCAM 2020 README

April 2019

© 2019 CNC Software, Inc. – All rights reserved.

Software: Mastercam 2020

Terms of Use

Use of this document is subject to the Mastercam End User License Agreement. The Mastercam End User License Agreement can be found at:

<http://www.mastercam.com/companyinfo/legal/LicenseAgreement.aspx>

Be sure you have the latest information!

Information might have changed or been added since this document was published. The latest version of the document is installed with Mastercam or can be obtained from your local Reseller. A ReadMe file (ReadMe.PDF) – installed with each release – includes the latest information about Mastercam features and enhancements.

INTRODUCTION

Please review this ReadMe for last-minute product information about Mastercam 2020. Report any problems to qc@mastercam.com.

MASTERCAM 2020

Category	Name	Number
General	The processing of commas and periods as decimal separators is not working correctly due to the presence of SOLIDWORKS PDM on the same computer.	R-19769
Interface	Machining geometry color is not displaying correctly.	R-19778
Toolpaths	2D High Speed Area Mill is unable to match Air chain to Machining region.	R-19643

MASTERCAM 2020 04/11/2019

Category	Name	Number
General	Migrating .machine files causes Mastercam to crash.	R-18586
Interface	The Toolpath tab does not display when Mastercam loads a copy of a machine definition.	R-19242
Interface	Multiple selections do not display in the Chain Manager tree.	R-19375
Interface	Planes Manager: the Cplane follows Gview rule does not work.	R-19424
Tooling	Lathe 3D Tools does not output right-hand or left-hand data in NCI.	R-18866
Tooling	Tool holder and insert names do not output to NCI.	R-19076
Toolpaths	Regenerating legacy files with Equal Scallop operations causes Mastercam to crash.	R-19639

MASTERCAM 2020 03/21/2019

Category	Name	Number
Interface	Spline Blended creates three splines instead of two.	R-19232
Mill	Mastercam crashes when Connection cylinder direction is set to auto.	R-19070
Toolpaths	Prodrill cannot ream holes for drafting and dimension notes.	R-19231

MASTERCAM 2020 02/28/2019

Category	Name	Number
Interface	An Assert error is seen when creating Curve on All Edges, and checking Fit arcs and lines.	R-18743
Toolpaths	When hole making is set to Absolute with Calculate incremental values from holes/lines enabled, the hole length is added to the top of the stock.	R-18796
Toolpaths Manager	Unable to select multiple chains for Reversal.	R-18862
Toolpaths Manager	In Toolpath Hole Definition, using Copy Previous Points immediately after Features, results in lines	R-18935

MASTERCAM 2020 01/17/2019

Category	Name	Number
Backplot/Verify/Simulation	When Cutter comp is set to Control in the toolpath display, moves are incorrect in Classic Backplot.	D-36336
Backplot/Verify/Simulation	Machine simulation is not supporting WCS properly.	D-35311
Backplot/Verify/Simulation	Stock boundary does not update during Simulation in Classic backplot.	D-34594
General	Mastercam does not support ProE/Creo files correctly.	D-07621
General	FBM Drill is not finding SOLIDWORKS Hole Wizard features when using a custom plane.	R-15178
Interface	Window chaining with a Cplane mask is not recognizing geometry at the current WCS Z depth.	R-13795
Lathe	The spindle reverses direction in C-Axis Contour operations.	R-18348
Lathe	Stock boundary fails, and reports false collisions when using overlap.	R-18050
Mill-Turn	The Prime Turning toolpath is skipping roughing passes.	R-18296
Mill-Turn	STL stock set in Job setup disappears after regeneration.	R-18003
Mill-Turn	The first Z position for Canned groove cycle is missing.	R-16408
Mill-Turn	Using the G1 button in the Toolpaths Manager toolbar causes STL stock to be removed from the file.	R-16350
Mill-Turn	Transform toolpath rotates about the wrong axis when using custom WCS.	R-16245
Posts	MpbinX is deleting .psm/.mcdpost files when target folder is not present.	R-16958
Reports	Lathe grip point is not listed in the XML file.	R-18443
Toolpaths	The trim operation outputs NCI line 999 with no values, causing posting errors.	R-11546
Wire	The 4-Axis wirepath is doubling the U value at the end of the toolpath.	R-18410

MASTERCAM 2020 12/27/2018

Category	Name	Number
Backplot/Verify/Simulation	Backplot's Information dialog box displays Lathe coordinates when Mill operations are selected.	D-36216
Backplot/Verify/Simulation	Backplot does not display the final pass of a Ramp.	D-36160
Backplot/Verify/Simulation	Mastercam Simulator does not verify operations that occur after a Stock Model operation.	D-36136
Backplot/Verify/Simulation	Backplot does not display the correct Z coordinate in the Status bar.	D-36004
Backplot/Verify/Simulation	Simulation generates an error when the Filter option is enabled on Rotary 4-Axis or Flow 5-Axis operations.	D-35422
Backplot/Verify/Simulation	Backplot reports an Invalid Feedrate on Contour toolpaths.	R-18282
Backplot/Verify/Simulation	The translucent Stock display option in Verify shows triangles around the edges of the part.	R-17911
General	Mastercam does not import surfaces from ProE/Creo files correctly.	D-18671
General	Mastercam does not create good solids or surfaces from ProE/Creo files.	D-05080
General	Mastercam imports composite curves as a continuous spline.	R-18382
General	Mastercam crashes when the graphics window loses focus.	R-18097
General	Customized ribbons and tabs do not migrate correctly.	R-18031
General	Opening Mastercam Version 9 files changes the operation order.	R-17941
General	Mastercam no longer uses component names to name levels when importing ProE/Creo assemblies.	R-13326
General	Mastercam does not import ProE/Creo files correctly.	R-11679
General	Imported ProE/Creo files open in Mastercam with faces missing.	R-10964
General	Mastercam corrupts imported ProE/Creo files.	R-10857
General	ProE/Creo assemblies imported into Mastercam are missing parts.	R-10850
General	Mastercam does not import ProE/Creo files with nested assemblies correctly.	R-03481
General	Mastercam does not import Creo 2 files correctly.	R-02454
Geometry	Changing the Surface Density Display in Power Surface edits the Configuration file.	R-15964
Interface	Displaying surfaces causes a decrease in performance.	R-18155
Interface	AutoCursor - Override Endpoint does not recognize surface endpoints.	R-18093
Interface	Edge highlighting makes it difficult to see tool features.	R-17912
Interface	Deleting a plane does not remove the geometry association.	R-17852

Category	Name	Number
Interface	The Zoom hot key [F1] does not work after using the Analyze Entity hot key [F4].	R-17014
Interface	The Tab key does not move the cursor from the Stock to Leave on Walls field on the Cut Parameters page.	R-16916
Interface	The Tool display setting is still in the Edit Common Parameters dialog box.	S-60298
Lathe	PrimeTurning misses depth passes.	R-18110
Lathe	Mastercam reports a stock collision with Left spindle stock when the stock is on the Right spindle.	R-17045
Mill	The 3D HST Waterline toolpath creates sharp tool motion when legacy files are regenerated.	R-18315
Mill	FBM Drill does not recognize SOLIDWORKS Hole Wizard features in custom planes.	R-15178
Mill-Turn	Comments are still posted even when you select the Remove Comments option in the Transform Operation dialog box.	R-18034
Mill-Turn	Multi-line operation comments output incorrectly.	R-06220
Tooling	Lathe tool insert radius is not smooth in Backplot.	R-17963
Tooling	Slow loading of 3D tools in Backplot.	S-59873
Toolpaths	Multiaxis Link does not consistently post the 154 marker in NCI output.	R-16875
Toolpaths Manager	Exporting an operation replaces the target operations file (.MCAM-OPERATIONS) with the current part file.	R-18127
Toolpaths Manager	Mirror by Geometry in Toolpath Transform does not chain the complete contour.	R-17425
Toolpaths Manager	The Clearance value in a Thread Mill toolpath does not update when modified with Edit Common Parameters.	R-16591

MASTERCAM 2020 11/29/2018

Category	Name	Number
Drafting	Reset value parameter does not work in the Edit Dimension Text dialog box.	R-17959
General	In File Merge, some entities are not correct when merging with current attributes.	R-17159
General	Using Step import for Mill holders is producing different results than a previous version of Mastercam.	R-17689
General	File opens with blanked geometry and improper gnomons displayed.	R-17700
General	Unicode File does not respect 128 character file path limit.	R-17811
General	Mastercam is crashing when saving a file which contains a bad spline.	R-18135
Geometry	When using Analyze Entity Properties, edit text displays notes as a single line.	R-17930
Geometry	Arcs created with Bolt Circle are not created correctly in Rotary Axis mode.	R-17950
Geometry	Surface Sweep creates a surface in opposite direction.	R-17970
Geometry	Modify Length heals a spline that was trimmed using spline blend.	R-18059
Geometry	Tessellation status disappears before tessellation has been completed during regeneration.	D-36058
Interface	The active tab on the ribbon is switching when the part file is open, it does not retain the most recent selection.	R-17663
Interface	When creating a Dynamic Plane, the active WCS disappears from the screen.	R-17929
Lathe	Changing Lathe C-Axis toolpath work offsets requires regeneration.	R-15624
Lathe	Unable to create a Turn Profile from surfaces.	R-17002
Localization	The Spiral limit option of a Surface Finish Toolpath does not activate in a Spanish system.	R-18017
Mill-Turn	Calling MP.dll using MP's dll() function results in an error.	R-17043
Mill-Turn	Changing a Contour toolpath type to Slot Mill causes an error.	R-17997
Tooling	When using a 3D tool in an operation, the Constant Surface Speed is incorrectly scaled.	R-17923
Toolpaths	An incorrect Feed rate in the NCI is seen after regeneration of the 2D High Speed Toolpath.	R-17892
Toolpaths	2D Contour Ramp is not working properly.	R-18016
Toolpaths	Using Start Point back or Start Point forward buttons in Chaining causes arrows to disappear.	D-36120
Toolpaths Manager	Operations using the hot key T toggles display off, but not on.	R-17828
Toolpaths Manager	When using Unicode, Toolpath Manager shows an error when copying and pasting note text.	R-17900

MASTERCAM 2020 11/08/2018

Category	Name	Number
Backplot/Verify/ Simulation	Backplot with Compensation in Control runs extra passes.	R-16711
Configuration	Offset Chains does not allow Zoom/Unzoom with F1/F2 buttons.	R-17662
General	Czech install causes problems with migrating files to version 2018.	R-17664
General	Unicode regression crashes in Surface Rough Pocket Toolpath.	R-17826
Interface	Uppercase conversion in the ribbon failed for some languages in Mastercam 2019.	R-17239
Interface	More Colors option is causing inconsistent crashes.	R-17383
Interface	Lathe 3D Tooling ignores Tool Holder Color.	D-35842
Lathe	Face Toolpath using Use Stock and Corner settings is gouging the part.	R-16253
Lathe	Stock Advance, Use tool stop. does not behave the same as it did in X9.	R-16536
Lathe	There is a Stock collision error on left spindle after working on right spindle.	R-16794
Lathe	Roughing with Break Chip ID tools ignores the Plunge feedrate.	R-17099
Lathe	Dynamic Rough Toolpath is not regenerating after a Stock flip.	R-17171
Lathe	Rough Stock is not updating stock.	R-17687
Mill	Surface Finish Contour crashes Mastercam on regeneration when Detect Undercuts is enabled.	R-17728
Reports	In Active Reports, NC file name shows .NCI.NC extension.	R-17559
Tooling	Changing the RPM is marking the toolpaths dirty.	R-17751
Toolpaths	Hybrid Z stepdowns are inconsistent.	R-03159
Toolpaths	Changing Lathe C-Axis Toolpath work offsets requires regeneration.	R-15624
Toolpaths	Check Holder does not account for tapered holders correctly.	R-17069
Toolpaths	Surface High Speed Hybrid Toolpath does not cut to the full depth if multiple Tool Containment Boundaries are selected.	D-02977
Toolpaths	A Hybrid Toolpath that contain multiple Tool Containment Boundaries is missing some Z slices.	D-13332
Wire	Automatic Tabs are not working properly in Mastercam 2019 Wire EDM.	R-17722

MASTERCAM 2020 10/18/2018

Category	Name	Number
Backplot/Verify/ Simulation	Tab motion is not supported in Simulator when compensation is set to control.	D-13451
Backplot/Verify/ Simulation	When tool compensation is set to control the tool is cutting to center of insert.	D-35607
Backplot/Verify/ Simulation	Backplot and Mastercam simulation are not displaying cutter compensation in control properly in Lathe.	D-35608
Backplot/Verify/ Simulation	Incorrect tab motion for compensation type - control.	D-35695
General	DWG file opened in 2019 does not have solid names.	R-17773
Interface	Hot keys for Toolpath Hole Definition, Change at Point, are currently missing or duplicated.	R-16296
Interface	Dimmed wireframe view mode does not work for mesh models when Show mesh edges is off.	D-35503
Lathe	Groove multi-plunge is leaving ribs for finish pass.	R-16068
Lathe	Prime Turning requires a second regeneration to enable extended start of contour.	R-17206
Lathe	Prime Turning - Selecting the Clean up Corners recuts the last roughing pass.	R-17442
Lathe	Prime Turning is exceeding the maximum depth of the cut setting.	R-17482
Lathe	Face Toolpath - Second Feed/Speed option is reversing the spindle direction.	R-17669
Mill	Surface Finish Contour produces gouges in the surface.	R-06010
Mill-Turn	Simulation fails when PrimeTurning uses points as chains.	R-17378
Mill-Turn	C-axis Contour toolpath cuts geometry in a flat plane instead of following the face.	R-17627
Tooling	Contour with concave tool definition verifies incorrectly unless the shoulder length is equal to the cut length.	D-35556
Toolpaths	Multisurface Rough Pocket generates an Encounter an improper Argument error when Pocket parameters tab is selected.	R-07151
Toolpaths	Surface Rough Pocket skips passes when the spiral inside to outside option is selected.	R-13164
Toolpaths	Duplicate tool checking is not respecting the checkbox state when importing operations.	R-16785
Toolpaths	Lathe multi-plunge toolpath is rapiding into the stock.	R-17175
Toolpaths	Operations are not being marked dirty after re-chaining geometry.	R-17338
Toolpaths	Surface Finish Parallel adds splines instead of arcs.	D-05936

Category	Name	Number
Toolpaths Manager	Surface Finish Contour on a solid model causes tool to violate solid.	D-08230
Toolpaths Manager	Long regeneration times for Finish or Contour toolpaths with slot mill under-cutting.	D-15203

MASTERCAM 2020 09/27/2018

Category	Name	Number
Backplot/Verify/ Simulation	Backplot reverses arcs.	D-35557
Backplot/Verify/ Simulation	ID Threading tool backplots in an incorrect orientation.	R-17413
General	An incorrect color displays on a STEP file, depending on the background color.	R-17534
Mill	2D Contour using Compensation Control is backplotting twice around a circle.	D-34786

MASTERCAM 2020 09/06/2018

Category	Name	Number
General	Line Endpoint, Locked Tangent crashes on second use.	R-17377
General	Drawing dimensions are not importing properly.	R-17455
Interface	Using Command Finder to search in Japanese no longer automatically filters while typing.	R-17027
Interface	In Planes, changing Work Offset from within an operation is updating wrong operations.	R-17323
Mill	Remachining skips depth cuts in some areas with multi passes when the Final depth option is selected	R-04617
Mill	Contour toolpath with negative stock to leave, perpendicular lead in/out and adjust start/end moves set to shorten, the perpendicular lead in/out is removed.	R-05298
Mill	Ball nose endmill causes computation error in Dynamic OptiRough toolpath.	R-06285
Mill	When the cut method is changed to zigzag in parameters, Dynamic OptiRough is missing cuts.	R-07378
Mill	Contour Ramp with External corner break radius not working.	R-07877
Mill	Multi Passes with zero finish spacing does not output the compensation code.	R-08454
Mill	Dynamic OptiRough does not cut to bottom of flat ledge.	R-09096
Mill	2D Blend Mill is giving up-down-back-up retract move when using linking parameters retract set to incremental.	R-09786
Mill	Dynamic OptiRough outputs code before the start of the NCI file.	R-09979
Mill	Surface Rough Project acts oddly in this file the second time the operation is created.	R-10088
Mill	3D High Speed Toolpath, Dynamic OptiRough lead move should be rapid.	R-14389
Mill	Posting Nesting operation causes error and then crash.	R-16248
Mill	Dynamic start point affects the amount of geometry that is cut.	D-08619
Mill	2D Dynamic Mill core rest does not regenerate.	D-13270
Mill	Dynamic OptiRest is generating unnecessary air cuts, based on containment boundary settings.	D-13342
Mill	Dynamic Optirest Z Depth settings affect gouging in one area of the part.	D-15825
Mill	Model Geometry grid with Toolpath/surface selection set to All in System Configuration is adding geometry to the Avoidance Group.	D-35301
Toolpaths	Raster transition settings are causing gouging the flat surfaces.	R-03163
Toolpaths	Adding a chamfer operation between a 2D Contour with tabs, and a separate tab cut off, causes error.	R-04542

Category	Name	Number
Toolpaths	Spindle direction is incorrect in NCI Toolpath file for finish pass.	R-09399
Toolpaths Manager	Editing an in-process multi-threading operation should not be allowed.	R-17360

MASTERCAM 2020 08/13/2018

Category	Name	Number
Backplot/Verify/ Simulation	Mastercam Simulator has problems using a metric lathe drill in an inch Mastercam part.	D-35083
Backplot/Verify/ Simulation	Verify is not showing a gouge.	D-35124
Configuration	Z Depth field in Status bar does not support [Ctrl+C] or [Ctrl+V].	R-16628
Configuration	Mastercam retains the recent part file location and does not reset to Configuration settings after selecting File/New.	R-16981
Drafting	Filled arrows appear with translucency active after they have been turned off on the Leaders/Witness page.	R-17146
General	The Chaining dialog box is not displayed when adding a chain.	S-56777
General	File opens with Stock Display turned off.	R-16876
General	Inventor Views are spawning empty levels in Mastercam.	R-17018
Geometry	Importing custom geometry from a DXF file crashes Mastercam.	R-16953
Interface	When using Solid Hole the Template Units are not modal in the session.	R-16903
Interface	The Section column in the Planes Manager is not visible on first use after migrating a workspace, as it is disabled by default.	R-16924
Interface	Japanese part files opened in Mastercam display random characters.	R-17042
Toolpaths	Mastercam is renumbering tools in hole-making toolpaths that generate sub programs do not work unless the operations are regenerated.	R-16774
Toolpaths	3D Surface High Speed Equal Scallop is crashing Mastercam.	R-17034
Toolpaths	Using a tool with a tip angle of 41 degrees does not create the Model Chamfer toolpath.	R-17041
Toolpaths	Creating a Port Expert toolpath results in it treating the stock as if it were a solid.	D-35174
Wire	Two skim passes have a rapid move between them. This move should be a feed move.	R-15897

MASTERCAM 2020 07/05/2018

Category	Name	Number
API	The Paradigm Add-In does not capture plane gnomon with Viewsheets.	R-14547
API	When using Asphere, the validation of fields is limited to e-12.	R-15903
Backplot/Verify/ Simulation	Parking arm operations with no tool change should show collision with machine housing.	S-54576
Backplot/Verify/ Simulation	Verifying a specific Wire part causes a crash.	D-15653
Backplot/Verify/ Simulation	Simulating a lathe Pull/Cutoff operation leaves parted stock model behind.	D-18780
Backplot/Verify/ Simulation	Lathe Cutoff/Pickoff operations simulating in Verify does not show stock in the subspindle.	D-19287
Backplot/Verify/ Simulation	Verify of Stock Flip using non-Top WCS is incorrect.	D-23290
Backplot/Verify/ Simulation	Classic Backplot, Wire appearance Color not changing.	D-24654
Backplot/Verify/ Simulation	Mastercam Simulator, custom lathe tool geometry produced infinity points errors and Verify fails.	D-26725
Backplot/Verify/ Simulation	C-axis Face Drill operations are not displayed as rotary moves.	D-33024
Backplot/Verify/ Simulation	Backplot of Mill-Turn operation not showing the insert down correctly on the sub-spindle.	D-33651
Backplot/Verify/ Simulation	Classic Backplot, rapid moves for Wire toolpaths are not shown with the rapid color.	D-33652
Backplot/Verify/ Simulation	Classic Backplot, Display with color codes not working.	D-33705
Backplot/Verify/ Simulation	Classic Backplot, Show Mill/Router position option not working.	D-33796
Backplot/Verify/ Simulation	Mastercam Simulator Lathe thread operation causes a crash when verified along with other operations.	D-33800
Backplot/Verify/ Simulation	Simulation, Lathe, C-axis Face Contour with Ramp is not complete	D-33825
Backplot/Verify/ Simulation	Mastercam Simulator C-Axis Face Contour operation chaining direction not followed.	D-33850
Backplot/Verify/ Simulation	Lathe C-axis Contour is incorrect.	D-34045
Backplot/Verify/ Simulation	Verify not displaying radius cut correctly.	D-34521

Category	Name	Number
Simulation		
Backplot/Verify/ Simulation	The first position incorrect when Verifying Lathe Stock Advance.	D-34799
Backplot/Verify/ Simulation	Quick Verify does not display in Wire Classic Backplot.	D-34800
Configuration	Chaining, Sync mode is now set to by Entity as default.	S-56314
Configuration	Solids chaining, improve Linked Edges default next branch direction.	S-56655
Configuration	Change Solids by faces default to off on the System Configuration, Screen page.	S-56679
Configuration	Chaining Solids allow partial loop chains to be created on multiple solid bodies in the same session.	S-56703
Configuration	Change Display surface/plane intersections default to off.	S-56728
Configuration	Chaining, Solids always show the Chaining dialog when adding a chain.	S-56777
Configuration	When System Configuration is migrated, third-party Editor path is not kept.	R-16159
Configuration	Respect startup configuration file on File, New.	R-16693
Configuration	Moving <i>shared</i> MCAM folder is setting tokenized paths to APP_DIR_INSTALL.	R-16817
Drafting	Circular changes the active construction plane.	R-15577
Drafting	In VTL mode, dimensions are created as mirror images.	R-15954
Drafting	Ordinate Drafting not respecting user set values when re-entering the function.	R-16319
General	STEP file crashes in Mastercam 2018 and Mastercam 2019.	R-14945
General	Opening a STEP file in metric mode does not display the message as if you were opening in inch mode.	R-15244
General	Importing AutoCAD files with converters have experienced a regression from Mastercam 2017.	R-15255
General	Hidden geometry in DWG/DXF files is solid when opened in Mastercam.	R-15454
General	Add Windows operating system build information to system report for Zip2Go.	R-15528
General	Allow the user to move the insert arrow while the Import Operations dialog is open.	R-15598
General	Unicode produced file read errors using a Japanese operating system part.	R-15619
General	Clear All must be used to change imported STEP file colors.	R-15667
General	Opening a SOLIDWORKS file that contains a ~ in the name is not being read properly.	R-15804
General	Converters STEP file crashes Mastercam on open.	R-15817
General	Nesting Toolpath Result naming option allows user to specify underscore instead of hyphen.	R-15845
General	Mastercam crashes when exporting a specific file as a DXF.	R-15861
General	Some arcs are not being read into Mastercam when opening a specific DXF file.	R-15933

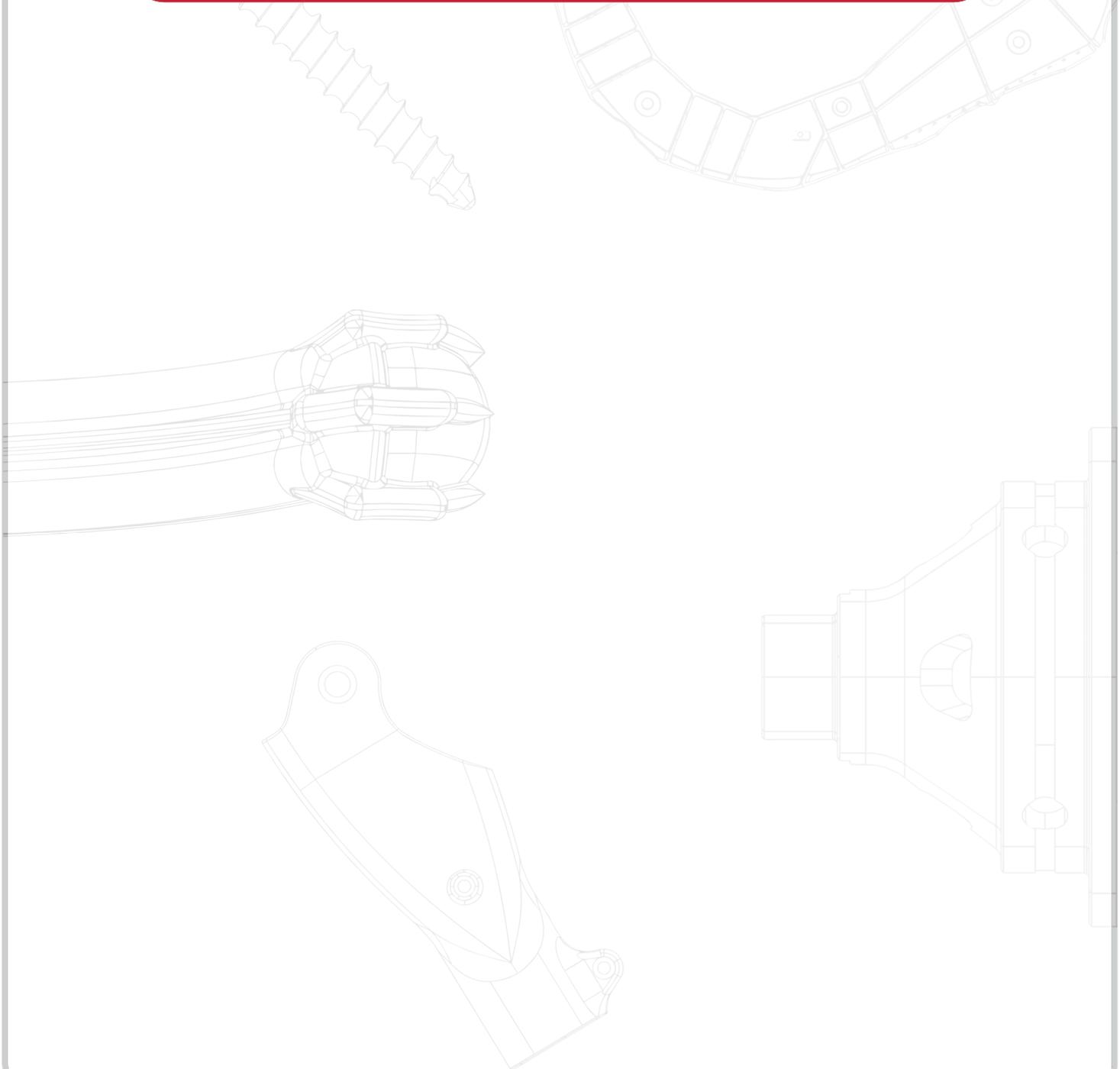
Category	Name	Number
General	DXF file crashes Mastercam when opened.	R-16299
General	DXF and DWG showing incomplete data after reading into Mastercam 2018.	R-16487
General	ActiveReports, View preserve last file name when saving.	R-16667
General	Inventor files with Chinese characters in file name will not open.	R-16690
General	Merging a template file (border) into a custom plane is not properly setting the text.	R-16750
General	Cannot add High Speed Toolpaths on a specific .DWG file.	R-16816
General	Mitered corners being added when importing a SOLIDWORKS® file into Mastercam with Import SolidsHistory selected.	R-16859
General	Opening Inventor .IDW file has all entities on Level 1.	R-16866
General	A number of the hot keys do not work properly when chaining solids.	R-16894
General	Mastercam crashes opening a specific DWG file.	D-07796
General	Arc3D Add-in gives a point error when running Verify if the helix start point is not in the same plane as the center point.	D-19789
General	Error after deleting operation.	D-33835
General	Inventor parts with surface bodies are not being imported if InventorView is installed.	D-34825
Geometry	Bounding Box creates a large boundary.	R-15291
Geometry	When selecting a solid or wireframe with a bounding box, PK Error Code: 9999-invalid_object is shown.	R-15478
Geometry	A cylindrical bounding box does not follow the geometry.	R-15515
Geometry	Solid Extrude direction is reversed when the C-plane is perpendicular to the chained geometry.	R-15604
Geometry	IGES file not properly displaying all the surfaces.	R-15727
Geometry	When in Solid Extrude, changing operation type does not switch to distance mode.	R-16010
Geometry	Solid Extrude names getting confused when switching from Add boss to Cut body.	R-16012
Geometry	When using Trim to Curves it keeps a random side of the trimmed surface.	R-16019
Geometry	Dynamic Transform and Surfaces from Solids combination leaves phantom surfaces.	R-16118
Geometry	Spline Blend has been reverted to improve initial results.	D-34226
Interface	The default orientation has been improved when placing the plane origin on a solid face during dynamic plane creation.	S-55650
Interface	Graphics - Show selection through glass entities.	S-56034
Interface	Fix field names on Transform Mirror function panel.	S-56643
Interface	Prompt user when they are creating or moving entities to a hidden level.	R-13352
Interface	Levels are not being maintained when exported as STEP.	R-15347

Category	Name	Number
Interface	When creating a 3D tool, the boundary arrows can be hidden by the on-screen prompt.	R-15639
Interface	Spline from STP file coming in faceted instead of smooth.	R-15721
Interface	Selected plane changes after regeneration.	R-15726
Interface	Entity information at the bottom left of the Mastercam window remains after the entity is created.	R-15788
Interface	Wireframe surface display does not respect the Line Attributes settings.	R-15892
Interface	Setup Sheet does not display operation comment.	R-16071
Interface	Loading a part with Viewsheets bookmarks causes the graphics to regenerate twice.	D-33927
Lathe	Stock model is incorrect with Facing operations.	R-04316
Lathe	Drill tools are not reporting the correct insert material in setup sheet.	R-15132
Lathe	Groove toolpath is not respecting Ignore undercuts on all undercuts.	R-15974
Lathe	Face toolpaths spindle direction changes for second speed.	R-16279
Lathe	Reference point values from coordinates of a point are not applied.	R-16343
Lathe	Add ability for lathe to automatically retract to clear part after ID toolpaths.	R-16356
Lathe	The small icons display mode is calculating the incorrect width for full radius tools.	R-16564
Mill	Using Planes ALWAYS = WCS places the Surface Rough Pocket operation in a new location.	R-03030
Mill	Peel Mill Finish pass causes Mastercam to crash.	R-03717
Mill	High Speed Waterline is showing zero toolpath size when regenerating.	R-03756
Mill	Surface Finish Contour with a radius slot mill results in a bad toolpath.	R-04585
Mill	Dynamic Contour using Enter/exit at midpoint on closed contour and with a non-zero Helix height causes a gouge.	R-06148
Mill	Dynamic Peel Mill toolpath is plunging with finish passes.	R-15383
Mill	Scallop toolpaths has small spikes that are not allowed on machine.	R-15429
Mill	Dynamic OptiRough with Drive set to All will add extra groups when selecting machining geometry.	R-15461
Mill	Contour tab cut off is using the wrong Compensation direction.	R-15658
Mill	Contour set to Remachining and using Reverse Wear is outputting incorrectly.	R-15961
Mill	Dynamic OptiRough is gouging on back feed moves.	R-16233
Mill	3D High Speed toolpath operation incorrectly marked dirty.	D-06476
Mill	Surface Finish Parallel toolpath parameters are not sticking.	D-07119
Mill	The left and right arrows in the Adjust start of contour in the Lead In/Out Page do not work if Adjust end of contour is selected, and Adjust start of contour is deselected.	D-07428

Category	Name	Number
Mill	Contour with negative stock to leave on walls and floors, and Gouge check selected gouges.	D-07781
Mill	Dynamic Mill entry point was dropped.	D-08402
Mill	Pencil toolpath does not cut the fillet at the bottom of the vertical wall.	D-08607
Mill	Countour toolpath, Tab Cutoff operation outputting the incorrect plunge feedrate in NCI.	D-09594
Mill	Keep tool down is not being used in the high speed toolpath operation defaults.	D-09686
Mill	In Dynamic Mill toolpaths, micro lift feed rate not changed until regeneration.	D-09823
Mill	Area Roughing gouges using Create arcs in XY.	D-09968
Mill	When using a ramp lead out, it plunges down before retracting between cuts with incremental feed plane.	D-13485
Mill	Issue outputting a micro lift feed rate with Dynamic OptiRough.	D-13561
Mill	2D High Speed toolpath retracts are not outputting on regeneration of multiple operation.	D-13853
Mill	Contour with Remachining was not regenerating.	D-14006
Mill	Surface Finish Blend Toolpath has bad moves.	D-14322
Mill	Scallop reports that the tool holder gouges the part.	D-14368
Mill	Dynamic OptiRough causing issues with plunge feed rates.	D-14534
Mill	Surface Finish Contour cuts the inner side of the face when the fillet is included in the solid.	D-14796
Mill	Dynamic Mill is not respecting the avoidance regions.	D-14901
Mill	Horizontal Area is plunging through the surface it is cutting.	D-15054
Mill	Horizontal Area with geometry violations results in negative stock to leave.	D-15378
Mill	Dynamic Mill will not regenerate with micro lifts.	D-15393
Mill	Surface Finish Contour using a lollipop tool is leaving too much material.	D-15425
Mill-Turn	Model Chamfer toolpaths using Plane Rotation is hanging onto greyed out lead in/out fields.	R-15587
Mill-Turn	Contour using Derive from geometry is causing Clearance only at the start and end of operation to not function.	R-16207
Tooling	Tool Manager is renumbering tools creating odd results.	R-11422
Tooling	3D Lathe tools silhouette between planes, set the ruler zero to the cut plane.	R-15629
Tooling	The Tool Designer function panel should switch to Solids Manager when Select from Solids Manager option is selected.	R-15637
Tooling	3D tools should automatically fit the graphics window when selecting the cutting and machine connection planes.	R-15638
Tooling	Problem with importing into CoroPlus.	R-15778

Category	Name	Number
Tooling	Editing a 3D tool is renaming an existing level.	R-15853
Tooling	Exiting the Tool Designer function panel is not returning the user back to the current viewsheet.	R-15898
Tooling	The manufacturer code for 3D tools is not being output in the posted code.	R-15984
Tooling	Tool Designer should use insert boundary when guessing the quadrant for new tool.	R-15987
Tooling	Add ability to use the same tool different diameter offset numbers to IOF.	R-16198
Toolpaths	Trim toolpath does not retract between operations selected to trim.	R-04170
Toolpaths	Changing miscellaneous values will inconsistently marks toolpaths dirty and changes posts.	R-04813
Toolpaths	Toolpath Transform operation was dirty on File, Open.	R-14986
Toolpaths	The Chaining dialog box does not change from Solids mode without closing and reopening.	R-15922
Toolpaths	Running Toolpath or Geometry nesting is resetting file paths.	R-15957
Toolpaths	When chaining, the start point is not always respecting the selected entity.	R-16543
Toolpaths	Cutter compensation not successful warning spawned in the attached file.	D-06837
Toolpaths	Adding a Solid to drive faces hangs Mastercam.	D-06891
Toolpaths	Setting the lead out Ramp is altering the retract moves.	D-07328
Toolpaths	Copying the toolpath after itself and re-assigning a new boundary yields no creation of toolpath.	D-07685
Toolpaths	Toolpaths are ignoring the metric flag in inch configurations.	D-07738
Toolpaths	Feed rate override for Helix entry is not output.	D-14157
Toolpaths	User defined cutting parameters cannot be over ridden by the user.	D-14428
Toolpaths	Regeneration flattens or removes toolpaths.	D-15271
Toolpaths Manager	Add support for Selected only to Toolpath Manager, Reports, Operations list.	R-15067
Toolpaths Manager	Surface Finish Contour is hanging Mastercam when deselecting geometry through the geometry icon in the Toolpaths Manager.	R-15815
Toolpaths Manager	Only display associative geometry supports solid features.	R-16011
Toolpaths Manager	Posting an Nesting operation causes error and then crashes.	R-16248
Toolpaths Manager	When importing operations, the tool or the geometry branches do not display.	R-16782
Wire	Wire toolpath is displaying some additional geometry that should not exist.	R-15706
Wire	No Core toolpath outputs thread/cut codes when posted.	R-15975

**ATTENTION! UPDATES MAY BE AVAILABLE.
PLEASE REFER TO [MASTERCAM.COM/SUPPORT](https://www.mastercam.com/support)
FOR THE LATEST DOWNLOADS.**



CNC Software, Inc.
671 Old Post Road
Tolland, CT 06084



www.mastercam.com

Mastercam®

Mastercam® is a registered trademark of CNC Software, Inc. ©1983-2019. All rights reserved.
All other trademarks are property of their respective owners.