MASTERCAM 2018 READER

README

May 2017

POWERED BY MASTERCAM'S
DYNAMIC MOTION™ TECHNOLOGY

Mastercam®

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INTRODUCTION

Please review this ReadMe for last-minute product information about Mastercam 2018. Report any problems to qc@mastercam.com.

MASTERCAM 2018

Category	Name	Number
General	NetHASP licenses did not get released after failing and then succeeding to switch to another license	D-27512
General	Saving a file with clean operations and re-opening it showed misc dirty toolpaths	R-11553
General	Enabled Command Finder in Mastercam Demo/HLE	S-48018
Tooling	Face mill tool type with full radius was incorrectly projected	S-48178

BETA 5

Category	Name	Number
API	Doing polygon or vector selection sometimes left Mastercam in an undesirable state.	D-27296
General	Mastercam crashed when attempting to open Inventor IDW files.	D-26501
General	Zip2Go did not include .psb files.	R-11256
General	Updated Spatial API to version 2017 1.0.2 in support of handling of SAT, CATIA, Inventor, Alibre files. This provides support for the latest release of CATIA.	S-47765
Graphics	Arcs did not always display correctly after switching Viewsheets.	R-11509
Toolpaths	The **Remove Spaces** NC file function in Code Expert changed NC code into one line.	D-27457

BETA 4

Category	Name	Number
General	White geometry did not display in print preview	R-11001
General	ASCII text data did not make NURB splines when **Spline/surface creation type** was set to **NURBS** in Configuration	S-46615
Geometry	Incorrect results when trimming closed splines with Spline Blended	R-10890
Geometry	Added display of more digits in the **Scale** field for Transform Scale to display more accurate information	R-11133
Geometry	DZ construction plane was not being used in Transform Translate, Mirror, Scale, and Stretch	R-11140
Interface	Planes Manager flickered when using a 3Dconnexion SpaceMouse®	R-11071
Toolpaths	Guided chaining defaulted to wrong next branch	R-10995

BETA 3

Category	Name	Number
General	Parasolid edge curves now import with the proper edge color if one was defined	D-25415
General	Printed line width was thinner than the on-screen appearance	R-10540
General	When printing, the **Uniform line width** setting was not applied	R-10672
Interface	Moving an entity used to define a plane broke its associativity	D-25740
Interface	Display of sharp corners on splines moved when zooming in	R-10745
Interface	Rendered view mode did not persist	R-10854
Interface	Auto highlight now shows when in a function	S-38500
Interface	Window selection start was too sensitive when selecting solid faces	S-46983
Toolpaths	Too much motion was trimmed with **Collision checking** enabled for a Surface High Speed Area Roughing toolpath	D-24368
Toolpaths	Toolpath display was turned on after posting	R-10647
Toolpaths	Choosing **All** as the **Drive** setting for **Toolpath/surface selection** did not work	R-10718

Category	Name	Number
Toolpaths	The start height for a 2D High Speed Area Mill toolpath varied depending on the cutter diameter	R-10941
Toolpaths	The **Retract** controls for C-axis drill operations were unavailable	R-10963

BETA 2

Category	Name	Number
API	NET-Hook: **EditOperationGeometry** method did not work when there were no previous chains	D-25503
General	Geometry is not being saved to DXF or DWG when using **Save Some**	D-25528
Interface	**Gview follows WCS** did not work when creating a new plane	D-25043
Interface	Regenerating parent operation of a **Trim** attempted to create a new plane	D-25045
Interface	Surface sphere and torus shaded outlines were missing	D-25051
Toolpaths	Pressing [**Shift**]+[**Click**] triggered a relative position point during solid chaining	R-10732

BETA 1

Category	Name	Number
Backplot/Verify/Simulation	Improved translucency when running Backplot	D-24709
General	Pasted entities copied from a hidden level were put on the wrong level	R-10430
Interface	The solid edge and surface edge colors were not set to the colors specified in Configuration	D-24888
Interface	Single character hotkeys were triggered when renaming Viewsheets	R-10251
Reports	The Mill2 setup sheet template was duplicating operations	R-10178

Tech Preview 4

Category	Name	Number
General	Blanked entities in a certain CATIA v5 file did not import into Mastercam	D-17965
General	Text was not written in the correct location when exporting to DWG or IGES file types	D-24370
General	File save time was slow on some systems when including preview bitmap	D-24506

Category	Name	Number
General	Opening a certain ProE/Creo file as an assembly and surfaces resulted in mismatched surfaces	R-06210
General	Toolpath Nesting priority was not maintained	R-09794
General	Importing certain IGES files created incorrect surfaces on the part	R-09998
General	Opening SOLIDWORKS 2009 files in Mastercam 2018 caused an error	R-10024
Geometry	Extending a certain spline (NURB) converted it to a parametric spline	R-07942
Interface	There was a 4K display issue with Stock Setup and Stock Model dialog boxes	R-10043
Lathe	A certain X9 file had the **Unroll** option of Rotary Axis Control enabled in error	R-08981
Mill-Turn	Sync manager did not display toolpaths properly	R-07030
Mill-Turn	Arc linearization issue with helix arc output	D-23046
Mill-Turn	Back boring bar not rendering properly	R-09953
Toolpaths	Waterline rest passes gouged the part	R-02413
Toolpaths	2D Contour toolpath with internal corner rounding produced arcs in the corners when roughing, but did not have arcs on the final pass	R-05323
Toolpaths	Surface High Speed Scallop was not regenerating with 0 stock to leave	R-09660
Toolpaths	2D High Speed Area Mill did not cut to selected geometry	R-10084

TECH PREVIEW 3

Category	Name	Number
Backplot/Verify/ Simulation	Added Bookmark capability to Mastercam Simulator	B-44273
Backplot/Verify/ Simulation	Updated Mastercam Simulator interface with new floating toolbar for controls	B-44512
Backplot/Verify/ Simulation	Wireframe arc entities displayed incorrectly in Mastercam Simulator	D-23506
Backplot/Verify/ Simulation	Backplot **Helix Bore** cycle time was missing with control compensation	D-23571
Backplot/Verify/ Simulation	Mastercam Simulator Options dialog box was truncated on translated systems	D-23883
Backplot/Verify/ Simulation	Backplot Options, **Show Lathe Home Position** setting did not persist	D-24194
General	ProE file was missing faces	D-08505
General	ProE file was missing faces when imported into Mastercam	D-17266
General	ProE/Creo file was missing faces when imported into Mastercam	D-24125
General	ProE file did not import some geometry	R-08385
General	Printing - Only the file name displayed in print preview, but full path displayed on print	R-09531
General	ProE file did not import into Mastercam cleanly	R-09618

Category	Name	Number
General	File preview in **Recent Documents** showed blank image	R-09657
Interface	Made **Surface Curves** and **Pmesh** QuickMasks customize only options	B-45202
Mill	**Swept 2D** operation was not correct	D-09793
Mill	**2D Contour** remachining depth was wrong	R-02597
Mill	Stock model failed to regenerate	R-05004
Mill	2D High Speed Toolpaths, **Dynamic Mill** and **Area Mill** images did not update when changing machining strategies	R-07809
Mill-Turn	Stock model regeneration caused operation posted with plane 180° off	R-09101

TECH PREVIEW 2

Category	Name	Number
Configuration	Renamed **Solid edge select color** and **Solid face select color** to **Solid chaining edge** and **Solid chaining face loop**	R-09116
Configuration	Added a **Browse** button for the file path on the Files, AutoSave/Backup page	R-09509
General	Could not highlight/select a point that was on a line	R-08867
General	AutoSave file was not saved when launched via [**Alt+A**] or from the File tab	R-09490
Interface	Changing the tool number after regenerating caused a long delay	R-05944
Interface	Added all Toolpaths Manager toolbar commands to **Options**, **Customize**	R-08023
Interface	Geometry icon was not updating after dragging/dropping in Toolpaths Manager operations tree	R-08888
Interface	Third-party C-Hook icon did not stay on the Quick Access Toolbar (QAT)	R-09335
Interface	On-screen Gview, Cplane, and Tplane gnomons would sometimes disappear	R-09398
Mill-Turn	Pinch Turn associated operation did not respect custom WCS shift	D-23871
Toolpaths	Circles now display for drill operations	D-16371

Category	Name	Number
Toolpaths	Made **Geometry** the default source mode for Toolpath Transform	R-04695
Toolpaths	Changing the tool number after regenerating caused a long delay	R-05944
Toolpaths	Block Drill toolpath display did not show all drill moves	R-08428
Toolpaths	Stock Setup measured from world origin when Solid Models included Boolean operations	R-09058

TECH PREVIEW 1

Category	Name	Number
API	Added the ability to export operations using a NET-Hook	B-44330
API	NET-Hook - Thread Mill Linking parameters failed	D-22175
Backplot/Verify/Simulation	Lathe tool insert projection was incorrect in Master-cam Simulator	D-20821
Backplot/Verify/Simulation	Could not backplot a chamfer tool with a 0 tip diameter	D-21663
Configuration	Added an **Opacity** slider for **Dimmed wireframe** on the System Configuration, Shading page	R-09106
General	Multi-colored solid saved to a Parasolid file had color information unreadable by other software	R-07097
General	Converters - Added face color support to ACIS SAT export	R-07331
General	Converters - Importing a certain DXF file defaulted the decimal place to 0	R-08576
General	Improved selection performance with multiple meshes	B-43346
General	Much improved performance in several areas, such as loading files and regenerating operations	B-43715
General	SOLIDWORKS assembly file could not be read	D-21441

Category	Name	Number
General	Importing a certain SOLIDWORKS file crashed Mastercam if **Import Mastercam toolpath data from SOLIDWORKS files** was turned on	D-21595
General	Nesting - **Priority** setting was not working correctly	D-22126
General	File name was sometimes not displayed when using **Name/Date** setting	D-23214
General	Converters - Clicking **Options** sometimes opened the wrong Options dialog when no file was selected	D-23680
General	Converters - Select Layout to Import dialog box did not always display when opening AutoCAD DWG/DXF files	R-07398
General	Reinstated **Open Shared Folder** and **Open User Folder** commands	R-07944
General	Status bar did not update after Copy was complete	R-08114
General	Nesting - Change location of temporary files to Mastercam temporary folder	R-08133
General	Lathe Entry (and Wire) License gave a warning when creating a Zip2Go (.z2g) file	R-08143
General	Solid face colors were sometimes printed when they should not have been	R-08477
General	**Snap to Grid** was not working properly for custom planes	R-08816
Geometry	Solid Extrude automatically switched to **Distance** when the distance value was modified	R-07255
Geometry	**Flat Boundary Surface** did not create a surface on all selected boundaries	D-21687

Category	Name	Number
Geometry	Imported toolpaths with geometry placed at the origin, shifted the geometry	R-06815
Interface	Added **Attributes** to Home tab and mini-toolbar	R-07321
Interface	Fixed issue that **Tab** key did not validate and move to the next field when MRU was open	R-07328
Interface	Resulting colors being saved were not behaving the same in X9 and 2017	R-08213
Interface	Machine Group Properties not minimized properly when the Managers were undocked	R-08492
Interface	Improved window selection rectangle	B-39449
Interface	**Import** button on Context Menu page now includes workspace files	B-39621
Interface	Improved window selection polygon	B-39713
Interface	Improved tessellation performance of complex surfaces	B-41324
Interface	Added **Lock all** and **Unlock all** options to Planes Manager's right-click menu	B-44306
Interface	Levels list was not always refreshed on **File**, **Merge**	D-21944
Interface	Toolpaths Manager - Legacy file was regenerating with mirrored toolpath	D-23156
Interface	Fixed corrupt workspace files in Mastercam 2017	D-23189
Interface	Opening a specific file caused planes used in operations to be changed	D-23630
Interface	Customizing the Quick Access Toolbar included drop-down menus but not individual functions	R-05814

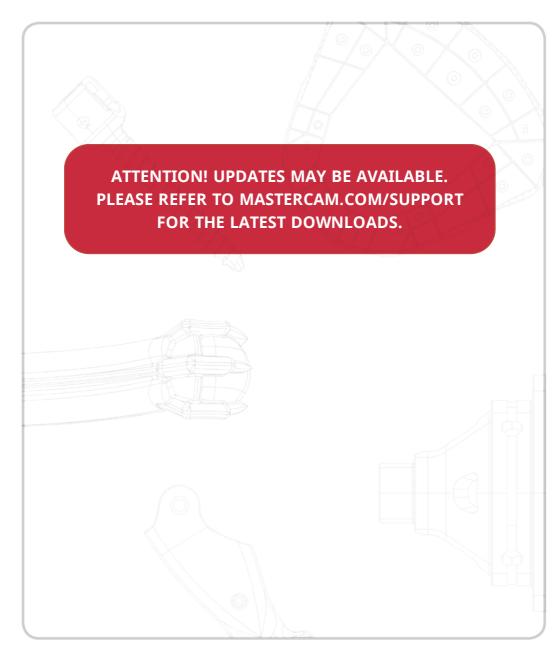| Category	Name	Number
Interface	Operations - Changing the tool number after regenerating caused long delay	R-05944
Interface	Changing operation type, then closing did not mark operation dirty, but NCI was bad	R-06947
Interface	Planes Manager - Default Z direction was sometimes wrong when creating a plane from surfaces	R-07011
Interface	Planes - Added support to create **Isometric** plane in Create Relative Planes	R-07035
Interface	Changed **From line normal** planes option to **From entity normal**	R-07168
Interface	Added file modified indicator and standardized file name in Mastercam title bar	R-07245
Interface	Copying surfaces between levels blanked some entities	R-07333
Interface	Imported operations also imported all locked planes	R-07439
Interface	Planes Manager - Added **Recent Function** support to menu items	R-07479
Interface	Planes - Added commands for all system planes to Customize	R-07967
Interface	Delete no longer functioned after **Invert Selection** was toggled in AutoCursor toolbar	R-08255
Interface	Remember resizing of recent documents list in Mastercam	R-08264
Interface	Scrolling in the Toolpaths Manager became zooming in the graphics window in Windows 7	R-08290

Category	Name	Number
Interface	Added Quick Mask Levels back into the interface and the command list	R-08327
Interface	Planes Manager - **G** still showed in planes list when view was rotated with 3D mouse	R-08335
Interface	**Arc MultiEdit** icon was missing	R-08336
Interface	Tabs reordered themselves when modified in user workspace	R-08383
Interface	Can now remove a document from recent document list	R-08433
Interface	Expanded the **Name** column/field when the Levels Manager was resized	R-08542
Interface	Mill Toolpath tab displayed in Design mode	R-08608
Interface	Operations - Options set in Import dialog box did not persist	R-08887
Interface	Added math functionality to on-screen gnomon entry fields	R-09061
Interface	Added **Refresh levels** back to Levels Manager	R-09115
Lathe	Fixed Dynamic turning gouge caused by plunge cut parameters being partially ignored	R-07299
Lathe	Improper lathe stock boundary occurred when stock boundary was broken in two pieces at end of step	R-07745
Lathe	Lathe stock warning was displayed when blanking entities	R-08474
Lathe	Fixed selection of center tool	B-41109

Category	Name	Number
Lathe	Lathe plunge turn toolpath retract feed rate usage was incorrect	D-21207
Lathe	Lathe rough did not respect plunge feed rate	D-21282
Lathe	Stock Update Parameters - Cutoff stock images did not match selected settings for right spindle	D-21844
Lathe	Tool Inspection was not going to **Retract Point** when **Approach** was deselected until last pass	D-21965
Lathe	Lathe stock update code, behavior, and help did not match	D-22870
Lathe	Changing lathe tool offset in one operation of X6 or older files forced a change in all operations using the same tool	R-04088
Lathe	Editing Plunge Turn operation defaults crashed Mastercam	R-07923
Lathe	Lathe Reference Points handled with inconsistent priority	R-08357
Lathe	Lathe Cutoff and Plunge toolpaths crashed when **Show library tools** was selected on Toolpath parameters tab	R-08675
Mill	Made Thread Mill Linking parameters more like other toolpaths	B-30184
Mill	Error message appeared for disabled field	R-07357/ R-08898
Mill	Toolpath Transform - Start point was being erroneously created	R-07902

Category	Name	Number
Mill-Turn	**Repair File** created multiple copies of Code Expert in Mill-Turn	R-08614
Mill-Turn	Added ability to chain geometry on multiple planes, (similar to lathe chaining)	B-42381
Mill-Turn	Sequence numbers did not output when token UseNCSpaces was set to **False**	D-21868
Mill-Turn	Tap feed rate was posted as zero	D-22361
Mill-Turn	Stock model was incorrect when using pinch turn operation	D-22650
Mill-Turn	Mill-Turn stock pull did not put new geometry on the proper level	D-22880
Mill-Turn	WCS check invoked for operations on import	R-06446
Mill-Turn	2D Contour Use entry point was not working unless **Mill** type was re-selected	R-07444
Mill-Turn	Tool number could not be bigger than maximum station number for turret park operation	R-08718
Mill-Turn	IOF file failed to generate when invalid characters were used	R-08925
Mill-Turn	Custom WCS caused mill tools to not load	R-09172
Tooling	Selecting a tool from the tool library did not use that tool in the toolpath	R-07372
Tooling	Fixed crash that occurred when using Tool Wizard	B-43386
Tooling	Custom tool not rendered via TSM or Local machine definition	D-22163

Category	Name	Number
Tooling	The message, "Tessellating" displayed after exiting the Tool Definition dialog box	R-07251
Tooling	Tap feeds and speeds were sometimes out of sync	R-07369
Tooling	Fixed assert occurring in Active Reports with a custom tool	R-07411
Toolpaths	Reports - HST Surface operations output had incorrect stepover and stepdown values	R-07358
Toolpaths	Disabled Chaining Wireframe mode if only solids were visible	B-41504
Toolpaths	**Keep Tool Down** value gouged part	D-08491
Toolpaths	Incorrect chaining tolerance was displayed in some toolpath Chaining dialog boxes	D-21335
Toolpaths	Reports - Plunge Turn stock to leave values were not output in reports	D-21519
Toolpaths	Reports - Incorrect plunge rate (from tool definition) was output in reports	D-21524
Toolpaths	Toolpath nesting of clusters crashed Mastercam	D-21616
Toolpaths	Setup sheet incorrectly called custom tool parameters	D-21757
Toolpaths	Large icon setting was not retained	D-22578
Toolpaths	Code Editor string did not match ID description	D-22581
Toolpaths	Reports - Added simplified Mill2-style setup sheet report	R-04968
Toolpaths	Stock Model took a very long time to process with reasonably-sized source operations	R-05471

Category	Name	Number
Toolpaths	Toolpath Transform - NCI rotating Surface Finish Flowline was sometimes producing incorrect arcs	R-05885
Toolpaths	360 degree arc from arc/filter caused gouge in 3D HST	R-06559
Toolpaths	Setup Sheet report with Wire SZ data was output under SZ-M instead of SZ-W	R-06849
Toolpaths	2D contour operation was marked clean after rechaining all, but then canceling out of Parameters dialog box	R-07141
Toolpaths	Reports - Detailed report showed incorrect holder when run from lower window	R-07381
Toolpaths	ATP - Added option to leave the last processed part open	R-07924
Toolpaths	Improved cancellation of toolpath creation process	R-08015
Toolpaths	Chaining Color Mask dialog did not re-size, truncating the display	R-08502
Wire	Taper angle changed with regeneration and comment moved **Taper ON** code	R-07489
Wire	Offset changed in Wire Contour operation when copied and regenerated	D-22191

**ATTENTION! UPDATES MAY BE AVAILABLE.
PLEASE REFER TO MASTERCAM.COM/SUPPORT
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