MASTERCAM 2018 FOR SOLIDWORKS README

February 2017

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DYNAMIC MOTION™ TECHNOLOGY

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INTRODUCTION

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

BETA 2

Category	Name	Number
Interface	Regenerating parent operation of a **Trim** attempted to create a new plane	D-25045
Mastercam for SOLIDWORKS	**Multiaxis Link** was not accepting manually defined cylindrical shapes	D-25023
Mastercam for SOLIDWORKS	**Surface Finish Radial** did not recognize select point after design change	D-25479

BETA 1

Category	Name	Number
Backplot/Verify/ Simulation	Improved translucency when running Backplot	D-24709
Mastercam for SOLIDWORKS	Simulator error occurred when defining stock from a solid	D-24738
Mastercam for SOLIDWORKS	Plane Manager options states were not saved between sessions	D-24750
Mastercam for SOLIDWORKS	Rotary 5-axis operations were not marked dirty when additional geometry was added	D-24785
Mastercam for SOLIDWORKS	Verify error occurred when attempting to use **Save Presentation**	D-24838
Mastercam for SOLIDWORKS	Mastercam for SOLIDWORKS crashed when deleting entities that were selected for a toolpath	D-24866/ D-21532/ D-23862
Reports	The Mill2 setup sheet template was duplicating operations	R-10178

TECH PREVIEW 4

Category	Name	Number
General	Toolpath Nesting priority was not maintained	R-09794
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
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

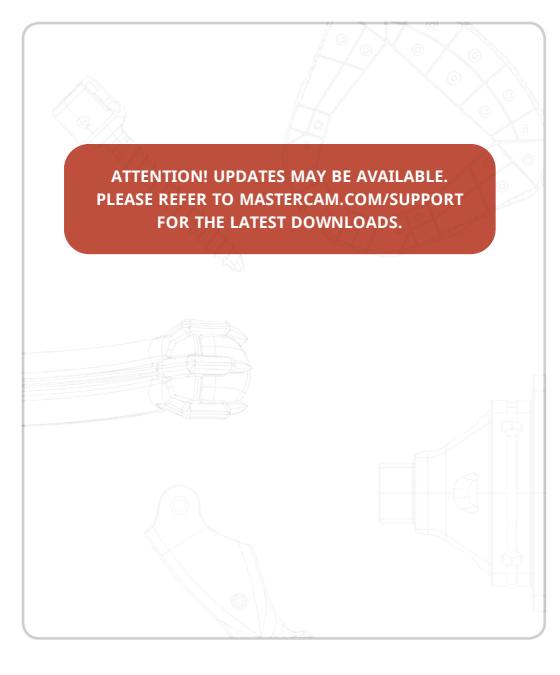| Category	Name	Number
Backplot/Verify/Simulation	Added Bookmark capability to Mastercam Simulator	B-44273
Backplot/Verify/Simulation	Updated Mastercam Simulator interface with new floating toolbar for controls	B-44512
Backplot/Verify/Simulation	Wireframe arc entities displayed incorrectly in Mastercam 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
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

TECH PREVIEW 2

Category	Name	Number
General	Could not highlight/select a point that was on a line	R-08867
Interface	Changing the tool number after regenerating caused a long delay	R-05944
Interface	Geometry icon was not updating after dragging/dropping in Toolpaths Manager operations tree	R-08888
Toolpaths	Circles now display for drill operations	D-16371
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
Backplot/Verify/Simulation	Lathe tool insert projection was incorrect in Mastercam Simulator	D-20821
Backplot/Verify/Simulation	Could not backplot a chamfer tool with a 0 tip diameter	D-21663
General	Nesting - **Priority** setting was not working correctly	D-22126
General	Nesting - Change location of temporary files to Mastercam temporary folder	R-08133
Interface	Toolpaths Manager - Legacy file was regenerating with mirrored toolpath	D-23156
Interface	Opening a specific file caused planes used in operations to be changed	D-23630
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 - Added support to create **Isometric** plane in Create Relative Planes	R-07035
Lathe	Fixed Dynamic turning gouge caused by plunge cut parameters being partially ignored	R-07299

Category	Name	Number
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
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

Category	Name	Number
Mastercam for SOLIDWORKS	**Project** button was no longer disabled when **Feature** was selected	B-39505
Mastercam for SOLIDWORKS	SOLIDWORKS stopped responding when using toolpath stats on a certain file	D-21626
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
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
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	**Keep Tool Down** value gouged part	D-08491
Toolpaths	Incorrect chaining tolerance was displayed in some toolpath Chaining dialog boxes	D-21335

Category	Name	Number
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	Setup sheet incorrectly called custom tool parameters	D-21757
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
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	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	Improved cancellation of toolpath creation process	R-08015

**ATTENTION! UPDATES MAY BE AVAILABLE.
PLEASE REFER TO MASTERCAM.COM/SUPPORT
FOR THE LATEST DOWNLOADS.**

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

www.mastercam.com

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