

Edgecam 2010 R1 - What's New in SP1

SolidWorks 2010 Support - Important Note

Edgecam 2010 R1 was released before SolidWorks 2010. To load SolidWorks 2010 files it is necessary to have the latest version of SolidWorks Document Manager installed.

- If you have SolidWorks 2010 installed on your PC you will automatically have the latest SolidWorks Document Manager installed.
- If you are loading SolidWorks 2010 files but do not have SolidWorks installed, you will need to install SolidWorks Explorer 2010 (free download - see below), which will update the SolidWorks Document Manager.

Download SolidWorks Explorer 2010 from <http://www.solidworks.com/sw/downloads.htm>. (This will work for 32 and 64-bit versions.)

See page 4 for a list of other enhancements and fixes in SP1.

Code Wizard Template Changes

With this service pack, we have taken the opportunity to address a number of minor issues with Code Wizard templates at the same time.

Changes to Maximum High Feedrate Setting

There have been changes to the Maximum High Feedrate setting in Code Wizard. The option has been moved from the Machine Parameters tab (Machine Parameters dialog) to the individual Turret tabs.

For new post processors the default setting is 4800 mm/min (100 in/min) for both turrets. When updating existing post processors, the previously set value will be maintained for the upper turret; the lower turret will be set to 4800 mm/min (100 in/min).

For post processors based on Siemens and Integrex templates the maximum high feedrate for the lower turret was previously set to 0. When updating one of these templates, this value will be maintained. You will need to change this to match your machine specifications.

See page 2 for a list of all Code Wizard template changes in SP1.

Edgecam 2010 R1 SP1 - Code Wizard Template Changes

Below is a list of Code Wizard template changes included in the service pack. To take advantage of changes and fixes in the Code Wizard template files:

1. Update your code generator documents (.CGD files) against their latest template by re-opening the document in Code Wizard and confirming the prompt to update it. (You can use the renaming options in the Template Update dialog to preserve your original CGDs during the proving stage.)
2. Recompile the code generators.
3. Regenerate and test any machining that uses the updated code generators. It is important to check that the update has not introduced any unwanted changes.

Call ID	Description	Closing Notes
88584, 423122	Templates Adaptive Turn - GEAR not set properly if tool is at XTOOL or XHOME	Fixed
93742, 410749	Templates Adaptive Turn - #RESTARTSUBSBNUM=1 prevents output of block number	Fixed
94904, 426386	Template Rotary Rotate - Wrong #FIRSTANGLE using Reverse Axes sign	Fixed
96738	Templates Integrex - Add MACVAR1 - 8 variables to Spindle Select code constructor	Fixed
97031, 97122	Templates Adaptive Turn - Radial colinear moves do not have a Z move	Fixed
401450	Templates Mill/Turn - CRC Register value is ignored in template	Fixed
403653	Templates Mill - Rotary holes order incorrect	Fixed
407680	Adaptive Templates - Wrong variable of ZCLEAR token in modality	Fixed
407908	Integrex Templates - Add DIA-MODE token to C axis (CX) interpolation code constructor	Fixed
409104	Templates Turn - To use MACHTIME2 on setup header for lower turret	Fixed
410592	Templates - Add [COOLTHROTOOL] to Hole cycle code constructors	Fixed

Call ID	Description	Closing Notes
413095	Code Wizard - Change default decimal places in format table	Fixed
417479	Templates Mill - Reverse axis sign not working at rotary rotate	Fixed
417709	Templates - Ask only once for same variable when not set	Fixed
423070	Templates Mill - Spindle stop warning is incorrect for feed moves only	Fixed
423820	Templates TNC - Clean-up pass after helical has wrong angle sign (IPA)	Fixed
423909	Templates Mill - Remove tokens [RELIEFDIR] [RELIEFDIST] from back face code constructor	Fixed
423967	Templates Mill ISO - [RELIEFDIR] token has no value	Fixed
424802	Templates Turn Mori Seiki - Add [C_AUTO_STAT] to Spindle Select code constructor	Fixed
425632	Templates Turn - #RPLANE when multi-level is wrong on radial drilling (when incrementally signed)	Fixed
	Templates Turn - Lower turret to retrieve rapid feedrate from lower MT line	Fixed
	Turning Templates - Unexplained change in NC	Fixed
	Templates Turn CY - Further improvements on initialisation	Fixed
	Templates Turn - Spindle brake is now always forced in move to toolchange/home	Fixed
	Update base language file and template version numbers	Fixed
	Templates TNC - Delay tool call if index next skips tool call when #MOVE is 0	Fixed
	Templates CYB - KEEP values are not updated by helical thread mill (old cycle)	Fixed

Edgecam 2010 R1 SP1 Maintenance Database Report

Call ID	Description	Closing Notes
40023, 77915, 85696, 87897, 93996, 95765, 404547, 406154, 407063, 412031, 412800, 415018, 416781, 425378	Part gives uninitialised header error on loading	Fixed
88280, 92449, 404426, 426151	Finish Turning - Display problem changing from controller to none/pathcomp	Fixed
95515, 95632	Code Wizard - Does not ask for updates on month number	Fixed
405242, 406376, 411667, 420520	Finish Turning - Colinear moves generated (going back) - no VMC	Fixed
414224	5 Axis - IJK vectors and/or XYZ (first angle) not re-calculated after rotary rotate	Fixed
418140, 423364	Delete Cache - Does not take new customised Cache folder from Options> Preferences	Fixed
419289	Roughing - Crashes with buffer error when regenerating big part	Fixed
419508	Finish Turning - Safe approach wrong on turning tool mounted at -90	Fixed
419660, 420070, 421611	Code Wizard - After reloading tree from template post are corrupted, with all macros duplicated	Fixed
421134, 421383	Simulator - Fails to open on limited user environment with Group Policy - Regression	Fixed
421926	Insert Part - Edgecam crashes and part is corrupted when you insert part	Fixed
422154	Code Wizard - Corrupts CGD after reloading tree from template on Siemens and Integrex	Fixed
423074	Regression - Insert Part - Crashes if part has a machine sequence	Fixed

Call ID	Description	Closing Notes
424519	PDI - Regression - List of CPLs no longer retrievable	Fixed.
Any PDIs that use CPL functions will need to be recompiled and used with Edgecam 2010 R1 SP1 and above.		
425267, 425521, 425598, 425861, 426158, 426182, 427864, 428170	Regression - Insert Component - Fails, works if you delete sequence	Fixed
425491	Insert Component - Edgecam crashes in sequence/turret refresh	Fixed
425531	5 Axis - XYZ (first angle) not re-calculated after rotary rotate (for each repeat)	Fixed
425725	Code Wizard - Unable to assign max high feed for lower turret	Fixed. See note on page 1.
426045	Part Modeler - Insert component/assembly fails if you select the file and click open (regression)	Fixed. Download new installation from Service Packs page.
426077	Licensing - Problems with CPL on specific licenses and posts	Fixed
426284, 426926, 427149, 427888, 429051, 429253	Simulator Regression - Simulator fails when the stock layer is turned off	Fixed
426532	Feature Finder - Regression bore feature is created but it is not shown, cannot be machined	Fixed
426785, 428188	OpenGL - Surface flashes when Intellisnap is turned on and mouse is moved over lines (regression)	Fixed
426981, 427096, 428174	Edgecam support for SolidWorks 2010	Fixed. See note on page 1.
427086	Profiling Regression - Cycle fails to machine wireframe with specific CPL	Fixed

Call ID	Description	Closing Notes
427165, 427333	ToolStore Server Installer 2010 R1 - Cannot install 2010 R1 if 2009 R2 is installed	Fixed. Download new installation from Service Packs page.
427316, 428071, 428609	Simulator Regression - Attached post does not show mounting blocks on 2010 R1 - OK on 2009 R2	Fixed
427406	Job Report - Job Images from Simulator are black (regression on Vista and Windows 7)	Fixed
427655, 428556	Tool flicker when moving over entities – Regression	Fixed
427995	ToolStore - Turret position with seven characters is changed to negative number (regression)	Fixed.
	The ToolStore turret position was converted from a string to a 16-bit integer at 2010 R1. SP1 now stores the number as a 32-bit integer allowing up to nine digits, which matches the Edgecam Toolchange commands.	
428046, 428140	Simulator Regression - Comparison does not work if tool position is not 'Top'	Fixed
428749, 429270	Code Wizard Regression - Machine tree->Copy/Paste Model does not work	Fixed
	Siemens and Integrex CGDs - High feed rate default=0	Fixed
	Finish Turn - Lead move has a Y move?	Fixed
	Open Pocket / Open Mill Features - Feature stops shy of component edge - (regression)	Fixed
	Update example post processors for use with example parts	Fixed
	Groove Features - Groove attributes are incorrect in Inch units	Fixed
	Regression - Simulator fails to start - Deleting sim.sim from %temp% has no effect	Fixed
	Edgecam crashes often on some nVidia Quadro cards on Windows Vista/ Windows 7	Fixed