

NCG CAM Solutions Ltd are pleased to release NCG CAM v15.0.04

Important update! You really should install it as soon as possible.

This is basically a minor updates and little fixes we have made.

Please note that NCG CAM v15.0 will not install on Window XP, or on a 32 bit operating system. Windows 7, 64 bit, Windows 8 / 8.1 64 bit or Windows 10 64 bit are all supported operating systems.

V15.0.04

3820 : When updating geometry, or if Associativity is enabled, the data in all graphics windows is now updated if the underlying part is changed. Previously only the data in the first graphics window was updated. Also fixes ticket 4692.

4010 : User Interface: Five-Axis plans - The User Advanced Parameters page is now not available with the right mouse context menu when the Advanced ModuleWorks dialogs are in use as the modified parameters would be ignored by the ModuleWorks dialog.

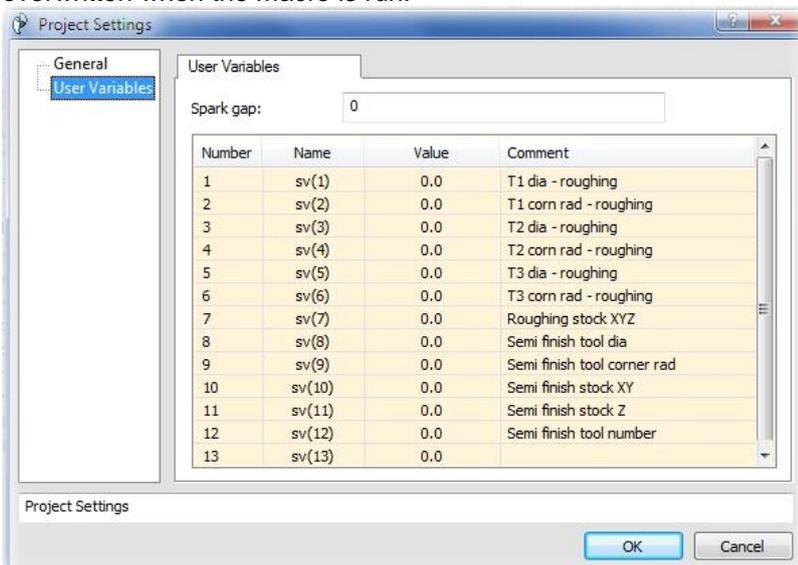
4453 : The End User Licence Agreement (EULA) is now shown before the program starts (after the initial install) with the OK button greyed. The user needs to accept the EULA before OK is available. If the user cancels the EULA box then the program does not start. Once the user selects OK, then the program starts and the box does not show again. The EULA is still available from the About dialog, but without the accept/do not accept buttons.

This feature has been added to allow for silent installs (run the installer with the /verysilent option).

4523 : Fixed a problem where deleting a large number of items caused the program to become unresponsive.

4732 : The user variable comments are now written out with a macro when it is saved. When the macro is then run, the comments are written into the project settings, overwriting any existing comments that are already there.

Note: The comments are written to the macro but not the values. Any values in the database are not overwritten when the macro is run.



Starting the macro pause, it is then possible to go to the User variable, set the relevant values for each variable being used. The comments help you know what that variable is used for. Then the macro can be allowed to run.

4790 : Hole detection: Fixed case where a composite hole was broken up into sections where it passed through an intersecting hole.

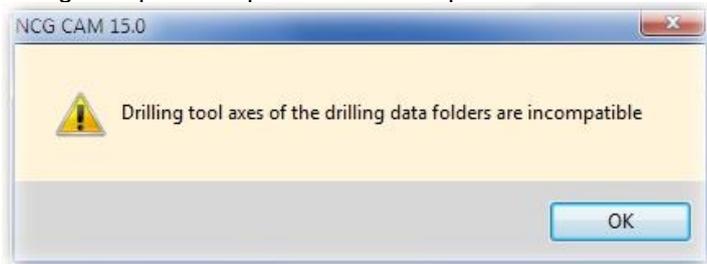
4850 : User interface: The icons on the plan input page are now updated to be in step with the selected plan.

4891 : Updated the libraries for Catia to V2017.1.

4892 : User Interface: The mouse right context sensitive menu for Adaptive Clearance and Helical Passes has been improved to allow selection of Surfaces, Points and a Boundary.

4907 : Five-Axis: There were occasions when a Ruled surface created in NCGCAM would not machine correctly with Five-Axis plans, this has now been fixed.

4908 : User interface: Creating a cycle with drilling data that have different rotations will now give a warning dialog to explain the problem and the plan will not run.



4909 : Rest finishing: An algorithmic weakness that could lead to gouges has been fixed.

4912 : User interface: Updated Copyright details to 2017

4913 : User interface: Cutter Animation - It was not possible to use the Split Toolpath option for Shaft Profile Analysis plans when being animated, this has now been fixed.

4914 : User interface: The layout of the Prismatic Stock Model dialog has been improved, making it consistent with other dialogs.

4917 : User interface: The layout of the points editor dialog has been improved to remove some white space.

4919 : User interface: The datum point selected was not always being set correctly for Five-Axis and Adaptive Clearance toolpaths, this has now been fixed.

4920 : Replaced remaining references to DEPOCAM with NCG CAM. These were in the Windows document registration and also the Portuguese and Brazilian translations.

4924 : User interface : There were occasions when doing a properties on a Five-Axis General plan would cause a crash, this has now been fixed.

4930 : Boundary independent and surface independent macros were not working after the introduction of "Use Input Geometry". This is now fixed.

4932 : Shaft Profile Analysis: Fixed a problem with required body length calculation. The result could be wrong when the flute length was changed.

4933 : Shaft Profile: When running Transform Reverse Linking on Shaft Profile analysis plans, we now perform all recalculations in a separate thread to prevent the software becoming unresponsive.

4934 : Shaft Profile: Fixed a problem where selecting transform reverse linking when pause was active in the Process manager was causing NCGCAM to lock. As an improvement, we now show the transformation dialogue once at the start before beginning any calculations. Note the application may still be busy for some time if lengthy recalculations are required.

4935 : Fixed a problem where registering the Solidworks document manager DLL failed. The required Microsoft Visual C++ 2012 redistributable are now included with the installation.

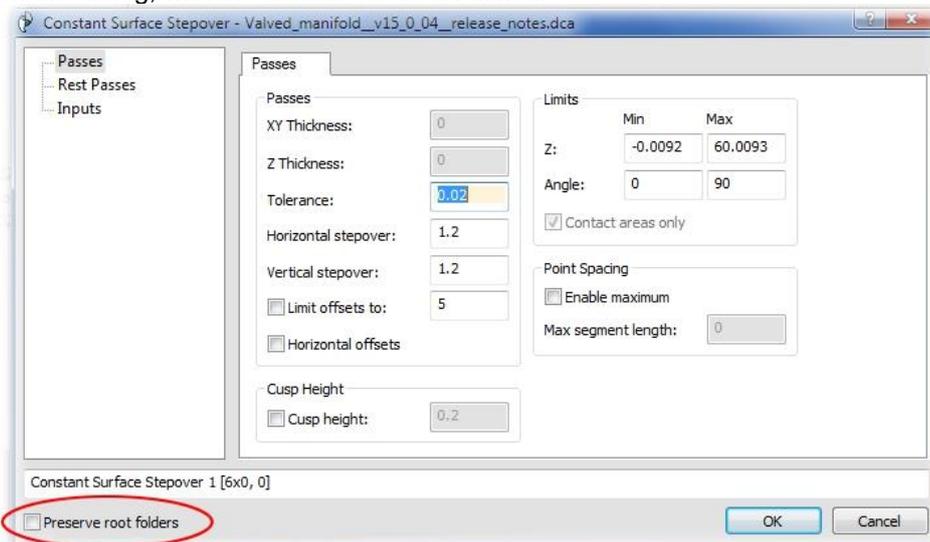
4936 : Added options to the Heidenhain post processor to allow: spot drilling, deep drilling, reaming, and boring to be emulated, so point to point motions are output in place of the CYCL DEF *
 In the canned cycles sections, the options are: Emulate spot drilling cycle, Emulate deep drilling cycle, Emulate reaming cycle, and Emulate boring cycle. They all default to 'false' so as not to affect exiting post processors.

Parameter	Formula
154 Old drill cycle one	false
155 Output dwell with CYCL DEF 200	true
156 Emulate spot drilling cycle	false
157 Emulate deep drilling cycle	false
158 Emulate reaming cycle	false
159 Emulate boring cycle	false
160 Emulate bore milling cycle	false
161 Emulate thread milling cycle	false
162 Text to be output before a cycle	""
163 Text to be output after a cycle	""
MACHINE AXIS - ABC	
164 A rotation prefix	"SPA"

4938 : Toolsheet: It was not possible to create a toolsheet when a Five-Axis toolpath was included, this has now been fixed.

4939 : Shaft Profile Analysis: Allow changing of flute length in the Shaft Profile dialog if taper angle is zero.

4941 : User interface: The Constant Stepmover from Passes plan now has the "Preserve root folders" option on the dialog, with the default set as un-ticked.



4945 : Adaptive Clearance: It is now possible to add or remove the points plan in the plan inputs page.

4946 : No longer pop a warning dialog when an empty cycle is generated when running a drilling macro. The plan fails anyway, so the user should be aware, as it will be shown red in the contents tree. This also this avoids a potential hang.

4947 : Translating using the 27 point grid, now defaults to use 'Fix value' if accessed through the Properties of a set of surfaces. If it is accessed through Edit > Transform, then it defaults to 'Fix value' is off.

4954 : The grammar in the System Requirements section of the EULA agreement has been improved.

4956 : Shaft Profile Analysis: We now do not update the XY and Z thicknesses when loading a cutter from tool database, where the thickness in the tool database is different to the thickness defined for the original passes.

4959 : Tool Database: For an existing dca file, if we cannot find the tool database defined in the project settings, then we select either the system catalogue or failing that the first in the list. This indirectly stops a problem where filters could not be applied to the cutter lists.

4963 : Cutter animation: Fixed a problem which caused the shaft profile data to be animated at the wrong height if the flute length had been changed in the shaft profile analysis plan.

Note: For existing dca files, the shaft profile data must be recreated by rerunning the linking plan to see the fix.

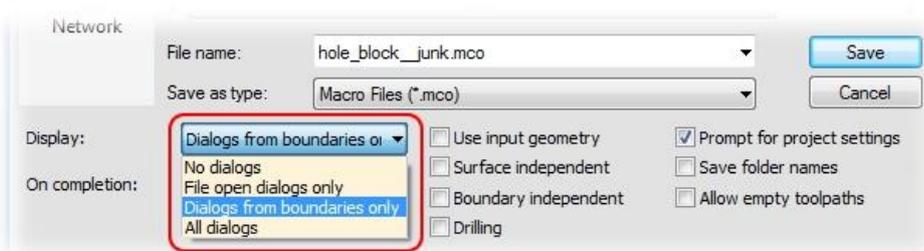
4967 : Fixed a problem causing the standard tool databases not to be created as part of the installation.

4968 : User Interface: The layout of the Project Setting > User Variables page has been improved, the comment column will now expand and contract to fit the available space in the dialog, also the comment text is now positioned to the left of the column.

4971 : As the shaft profile now has the cutter details remembered, there is no need for the "TapeComment REQUIRED LENGTH£ in the ncl file that ppGpost uses.

4975 : User Interface: It was not possible to use the Workplane > Translate grid radio buttons when doing a properties of a Triangulated Curves or Points folder, this has now been fixed.

4978 : User Interface: The 'Save As' dialog for macros had some text overflowing in one of the pull-down options, this has now been fixed.



4980 : Toolsheets: It was not possible to create a toolsheet from a nested spilt toolpath plan, this has now been fixed.

4981 : Post Processor: The use of a Proxy PostProcessor was not working for single toolpaths, this has now been fixed.

4987 : Documentation: Correct Licence Manager Help (English only) to say Network dongles are available for the following number of licences : 10, 50 and 250.



**Release notes for:
NCG CAM v15.0.04**
Date: 28/02/2016

4989 : Machine Simulation: The keymap file was not being picked up by the simulation program correctly this has now been fixed.

Translations: Updated the French, German, Japanese TMJ, and Portuguese translations,

Translations: Corrected the dialog layouts for the Polish, Hungarian, Portuguese (Brazilian), Russian, Thai, Turkish, Japanese translations.

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