

NCG CAM Solutions Ltd are pleased to release NCG CAM v14.0.05

Since we released V14.0.04 a number of little fixes, and some enhancements to existing features have been made.

Please note that NCG CAM v14.0 will not install on Window XP, and that at some point in the first quarter of 2016 NCG CAM will be available as a 64 bit installer only.

3994 : Rest finishing: Calculation times for rest finishing passes have been reduced by about 12% when using a toroidal reference cutter. A degradation in performance for ball reference cutters introduced in release 14.0.04 (ticket #3881) has been mitigated so that the overall slowdown compared to 14.0.03 is less than 10%. These improvements are due to further parallelisation of the code.

4024 : Drilling macros now exit cleanly when the drilling data is not found. A warning dialog is shown giving the name of the drilling data that cannot be found. Macros no longer disable the showing of warning dialogs.

4025 : Drilling macros and boundary independent macros now just run on plans actually in the current tree view. Previously they would also include deleted plans.

4060 : Pencil Passes: Fixed a problem that could result in missing pencil passes.

4104 : Fixed an exception that could occur when dropping multiple databases into a running NCG CAM window simultaneously.

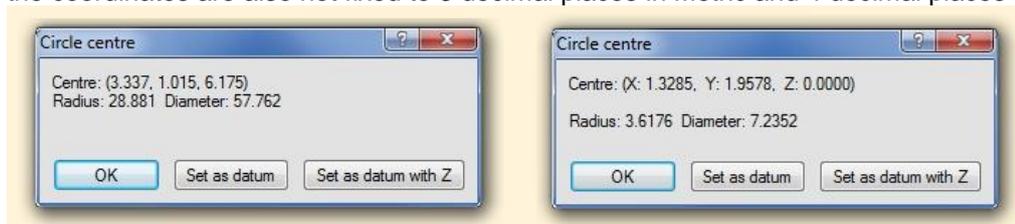
4116 : Fixed a case where the trimming could fail when triangulating. This caused holes to be covered over in some cases. Also fixes #4165

4119 : Toolpaths : There were occasions when transforming a 3+2 toolpath would transform the tool rotations incorrectly, this has now been fixed.

4156 : Rest finishing: A fix has been made to avoid step changes that could occur in the nature of rest finishing passes when changing from a ball nosed reference cutter to a toroidal one of the same diameter but small flat radius.

4184 : Thread Milling: Transform reverse linking of thread milling cycles has been blocked. This is to prevent the thread being milled with what 99% of the time would be the wrong hand thread.

4198 : Improve text format in 3 point circle dialog. The coordinates are now prefixed by the Axis letter (XYZ), the coordinates are also not fixed to 3 decimal places in Metric and 4 decimal places in inches.



As it was in v14.0.04

How it is now in v14.0.05

4210 : Installation: There was a problem when installing without translations in that it installed the translation files which were not required. This has now been fixed.

4216 : Pencil Passes: The default overthickness for End Mills has been modified to give better results.

4218 : Geometry: There was a problem where trying to triangulate an edited top entities folder would give an exception, this has now been fixed.

4220 : Post Processor: Vericut tool list: The top of the cutter and holder are now closed to comply with the latest release of Vericut

4223 : Drilling : When doing a properties on a drilling data plan and changing the rotations, there were occasions when duplicate holes would appear in the output, this has now been fixed.

4224 : Fix bug in Cutter Animation Dialog that incorrectly greyed out step back & play backwards buttons.

4228 : Rest finishing: Passes in steep areas now extend over the whole of their cutting ranges, so as to include cuts where the depth of cut is smaller than the specified minimum, so the blend with the exiting machining should be better.

4231 : Rest finishing: A problem has been fixed where redundant passes could sometimes be generated under the flat part of a toroidal reference cutter.

4239 : Post Processor: There was a problem with some canned cycles where after the last hole in the series there would be a rapid move to a point potentially below the last hole depth, this has now been fixed.

4250 : Rest finishing: Sharp changes of direction of passes in the vicinity of complex arrangements of shallow fillets can now be avoided using the new dialog parameter 'Corner angle lower limit'. If the angle between fillets is smaller than the value of this parameter then fillets will not be joined together but end-caps used instead. The dialog parameter 'Corner angle limit' has been renamed 'Corner angle upper limit'.

4252 : User Interface: Updated the Copyright details to 2016

Updated the German translation - please note this may have been overwritten by #4198.