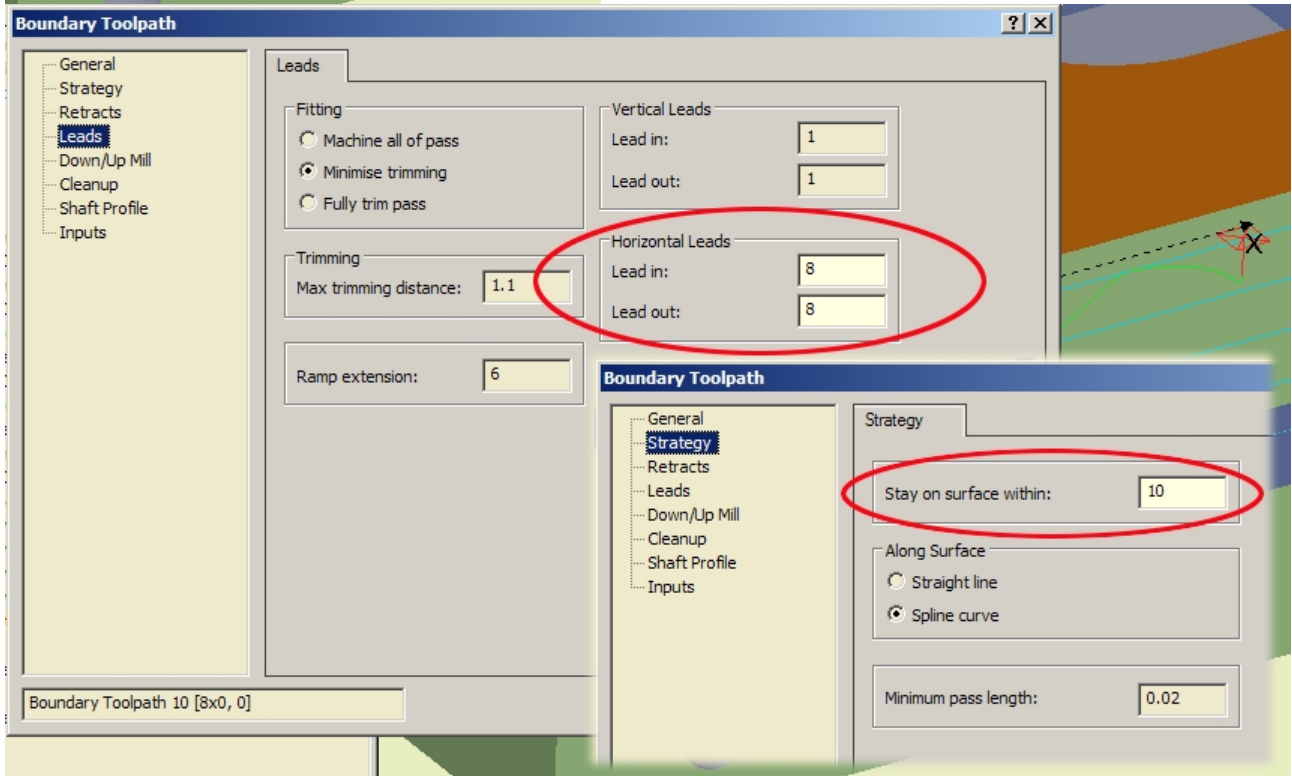
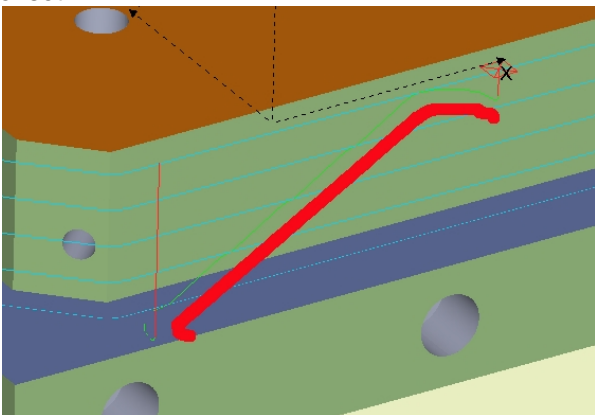


NCG CAM Solutions Ltd are pleased to release NCG CAM v11.0.02

Below are brief details of the enhancements we have made.
 If this is your first install of v11.0 then please read the v11.0.00 and v11.0.01 release notes too.

440 : Editing a boundary no longer converts fairly short arcs to straight lines.

679 : Enable horizontal lead arcs for boundary passes. Advance round for ramping if passes are axially offset.



1096 : Since "Reset" for a custom post is in fact the same as "Delete", this now asks "There are no default settings for this post processor, so resetting the values will in fact delete it. Do you wish to continue?"
 If the user responds yes, the custom post is removed immediately from the list of post processors. It was previously removed anyway, but only after the options dialog was popped down.

1361 : Changes the bore milling APT word in the Gpost.mco, what was CYCLE/BORMIL is now CYCLEMILL which is the correct approach in the APT language.

1472 : Changing the view by keyboard command now works correctly on Windows 7 computers when displaying analysis results (eg curvatures).

1488 : We now discard on surface waterline ramping moves which would result in the ramp being lifted excessively on the surface. We will try to apply an on surface link if a waterline pass is split on a level.

1526 : Extended the use of entry points to looped waterline, constant stepover, boundary and pencil passes

1527 : Removed workplane page from modify and extract curve plans

1531 : Fix a problem with the application of workplanes in extract p-curve and untrim surface

1544 : The mouse right button (context sensitive) menu now works ok when passes and a points folder with a single point are selected.

1546 : A problem has been fixed where offsets of surfaces loaded through Granite could be applied in the wrong direction.

1550 : The speed of True Surface Machining has been approximately doubled.

1552 : Fixed an issue in the Along Curve Passes, with the way gouge protection is implemented so "Holder Only" gouge protection ignores the cutter shank.

1554 : Removed US English translation as it is identical to the UK English.

1558 : Boundary rotations of 0.1 or 179.9 are now respected by the post-processor and no longer snapped to 0 or 180.

1560 : It is now possible to create drilling cycles from "Edited" Drilling Data (created using Label Geometry).

1561 : Curve modification: New options to merge unselected or replace inputs when modifying the curve. If you reverse a curve's direction, when that curve is one of several in the same folder, the default is now to merge the reversed curve with the originals. If Ctrl is pressed when you pick Reverse, you have the option not to merge in which case the reversed curve will be created in a new folder.

1562 : Bounding box formulae (e.g. cx()) now display correctly (as well as recalculating correctly) when viewing properties for the resulting Triangulated Surfaces.

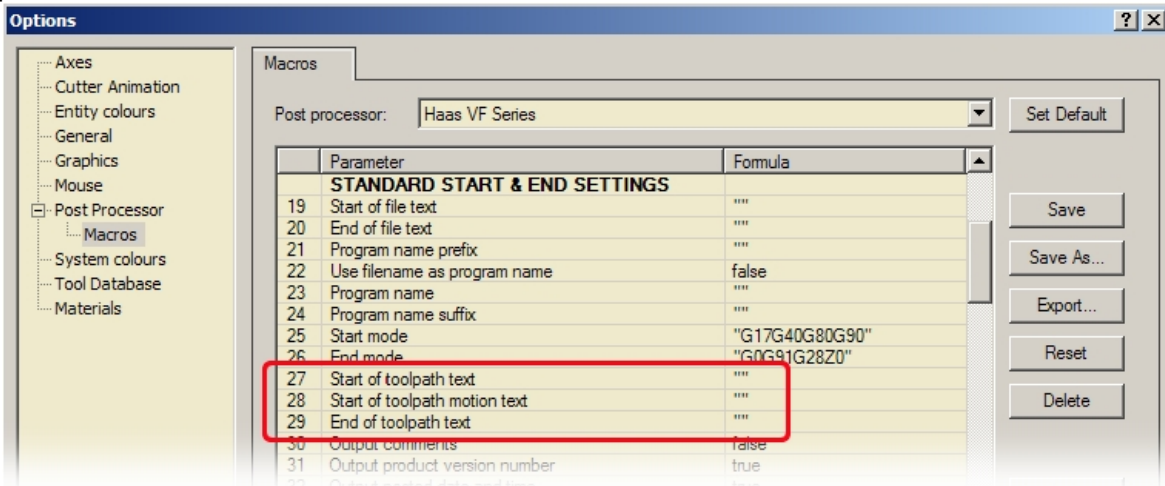
1563 : Curves: Don't replace surfaces plan when extracting curves.

1564 : Fixed linking out of order problem for waterline toolpaths.

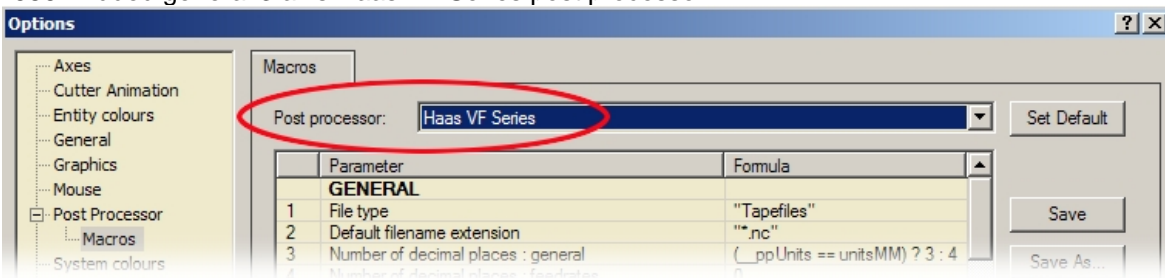
1574 : Improvements have been made to link ordering gives better performance for large examples.

1580 : Linking: Fixed 32bit crash in boundary passes linking

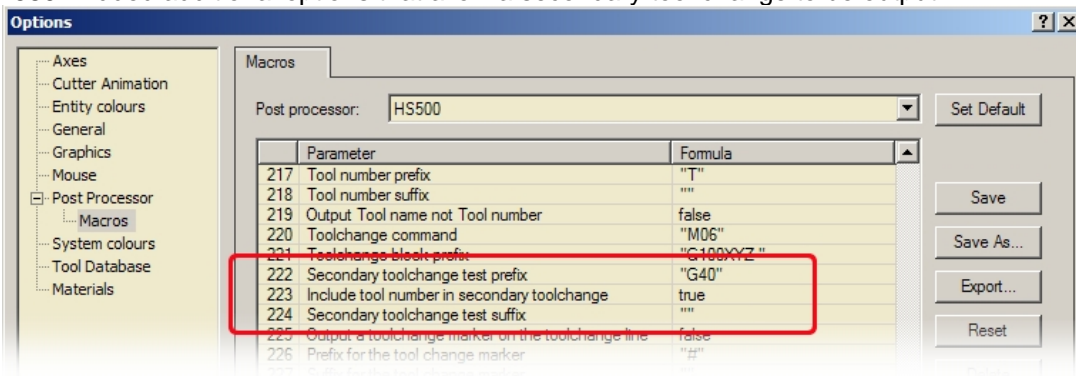
1581 : Added options to output user defined text at the start and end of a toolpath fir the ISO format post processors.



1586 : Added general 3 axis Haas VF Series post processor.



1589 : Added additional options that allow a secondary tool change to be output.



1590 : Updated Granite libraries to version 7.0 M020

1591 : Added options to allow ISO output that is suitable for a Heidenhain controls configured to run ISO formats programs

Parameter	Formula
94 Stop the HSM mode if cutter compensation is active	false
CIRCULAR MOVES	
95 Output circular arc records	true
96 Output helix records	false
97 Output K value in helix move	false
98 Output incremental arc centre	false
99 Output arc as radii	false
100 Output the arc centre before the arc move	true
101 Arc centre X prefix	"I"
102 Arc centre Y prefix	"J"
103 Arc centre Z prefix	"K"
169 Output rotation feedrate	false
170 Rotation feedrate	"1000"
171 Output a second rotation line	false
172 Second rotation outputs only 1 axis	false
173 Second rotation uses first rotation	false
174 Second rotation uses second rotation	false
175 First axis min rotation	-180
176 First axis max rotation	180

1612 : Hermle C40 post processor, changed the APT word in the bore milling cycle to use the correct APT CYCLE/MILL syntax.

If you use GPost then this may affect your post processors too, as they will need the same edits.

Updated the German, Portuguese, and Russian translations, and the German reference manuals.

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