

WinTool Interface for hyperMILL

Release 2.14.5 for hyperMILL 2022 and higher

History

2.14.5

- ✓ Bug fix in mounting point calculation for turning tools with round inserts
- ✓ Improved support for inch tools in ext. geometries and top coupling information
- ✓ Replaced CodeMeter 7.30a prerequisite by CodeMeter 7.6
- ✓ New version of WT-ToolExport integrated with a new and powerful search UI/UX for Tool Assembly, Tool list and Machine

Known issues

- Export of tool assemblies with tool types 14-06, 14-07 BL and 14-07 BR are incomplete
- Calculation of mounting point position and insert orientation for «Turning tool (insertTtool)» (/HM30) and «Thread tool (threadTtool)» (/HM31) only working for 90°, 0° and -90°

2.14.4

New features, improvements & changes

- ✓ Support of top coupling for milling and turning tools
- ✓ Re-worked coolant configuration and working method
- ✓ Improved exporting orientation of inserts for «Turning tool (insertTtool)» (/HM30) and «Thread tool (threadTtool)» (/HM31)
- ✓ Bug fix in calculation of mounting point position for «Turning tool (insertTtool)» (/HM30) and «Thread tool (threadTtool)» (/HM31)
- ✓ Bug fix exporting of milling tools using custom shapes where the tool was part of the holder with a wrong calculated length

Known issues

- Export of tool assemblies with tool types 14-06, 14-07 BL and 14-07 BR are incomplete
- Calculation of mounting point position and insert orientation for «Turning tool (insertTtool)» (/HM30) and «Thread tool (threadTtool)» (/HM31) only working for 90°, 0° and -90°

2.14.3

- ✓ Improved export of «Parting tool (partingTtool)» (/HM34)
- ✓ Improved calculation of mounting point position for export of «Turning tool (insertTtool)» (/HM30)
- ✓ Bug fix in calculation of mounting point position for export of «Turning tool (insertTtool)» (/HM30) with inserts having parallelogram geometry

2.14.2

- ✓ Bug regarding path of 3D-Export utility solved preventing on some machines export of turning tools
- ✓ Improved export of «Turning tool (insertTtool)» (/HM30) with inserts having parallelogram geometry

2.14.1

- ✓ Support for more turning tools
 - ✓ Tool type «Thread tool (threadTtool)» (/HM31) added

- ✓ Tool type «Recessing tool (RecessingTool)» (/HM32) added
- ✓ Tool type «Axial recessing tool (AxialRecessingTool)» (/HM33) added
- ✓ Tool type «Parting tool (partingTool)» (/HM34) added
- ✓ Configurable Name for material name in cutting data
- ✓ Bug fix & improvements in turning tool import
- ✓ Implementation of cutting data import for turning tools
- ✓ Bug fix for license issue for turning tools
- ✓ Modifications when importing milling tools to hyperMILL 2022.1
- ✓ New configuration option
 - ✓ «RetractFeedrate»
 - ✓ «RetractFeedrateValue»
 - ✓ «Material»
 - ✓ «CuttingMaterial»
 - ✓ «CutParaField1»
 - ✓ «CutParaField2»

2.14

- ✓ Support for turning tools
 - ✓ Tool type «Turning tool (insertTool)» (/HM30) added

2.13.5

- ✓ Compatible with WinTool 2020.2.1
- ✓ Compatible with hyperMILL 2020.2
- ✓ Axial feed rate for drilling tools will now always be imported directly from WinTool
- ✓ General improvement of Tool import

2.13.4

- ✓ Compatible with WinTool 2019.1.1
- ✓ Compatible with hyperMILL 2020.1
- ✓ Parameter “Base corner radius” is now correctly transferred at /HM18
- ✓ Fixed problem where Parameter “Name” could not have empty space at the end
- ✓ Implementation of new License mechanism
- ✓ New configuration option
 - ✓ “AxialFeedrate”
 - ✓ “AxialFeedrateValue”
 - ✓ “ReducedFeedrate”
 - ✓ “ReducedFeedrateValue”

2.13.3

- ✓ Support of new Tool Type Tangent Barrel Tool (/HM16)
- ✓ Support of new Tool Type Conical Barrel Tool (/HM18)

2.13.2

- ✓ Compatible with *WinTool* 2011 – 2018.2.1
- ✓ Compatible with hyperMILL 2011-2019.2
- ✓ Support of new Tool Type Thread Mill (/HM09)
- ✓ New configuration option “ToolGeometryModeField”
- ✓ New configuration option “Ignore_TransferredFlag”
- ✓ Addition to configuration option “ToolGeometryMode”

- ✓ Neck Diameter for /HM02 and /HM03 is now Transferred

2.13

- ✓ Compatible with *WinTool* 2011 – 2018.1
- ✓ Compatible with hyperMILL 2011 – 2018.2
- ✓ Support T-Slot Cutter with corner radius or chamfer
- ✓ Support Probe Tools
- ✓ New configuration option “ToolName”
- ✓ Improved Synchronisation between the Tool Database and hyperMILL

2.12

- ✓ Compatible with *WinTool* 2011 – 2017
- ✓ Compatible with hyperMILL 2011 – 2018.1
- ✓ Update for holder starting with angled lines
- ✓ New configuration option “ToolGeometryMode”
- ✓ Free form geometry now contains cutting area
- ✓ Improved calculation of arcs in free form geometry
- ✓ XML encoding changed to “UTF-8”
- ✓ Corrected calculation of Shank diameter
- ✓ WinTool tool export changes:
 - ✓ Showing assembling state of tools in selection list
 - ✓ Displaying available tool duplicates in CAM tool selection
- ✓ Support of new tool types:
 - ✓ Reamer (/HM14)
 - ✓ Lens Cutter (/HM08)
 - ✓ Tap Tool (Lead In) (/HM15)

2.11

- ✓ Compatible with *WinTool* 2011 – 2017
- ✓ Compatible with hyperMILL 2011 – 2017.2

2.10

- ✓ Compatible with *WinTool* 2011 – 2016
- ✓ Compatible with hyperMILL 2011 – 2016.2

2.9

- ✓ Compatible with *WinTool* 2011 – 2014
- ✓ Compatible with hyperMILL 2011 – 2014
- ✓ New in hyperMILL 2014:
 - ✓ Import: If the T-Number is 0, hyperMILL will automatically assign the next free NC Number
 - ✓ Export: One *WinTool* tool list will be created for each job list
 - ✓ Export: The tool list name will be filled in automatically
- ✓ Separation of program files and user data into separate directories
- ✓ Newest version of WT-MakeList integrated, for details see the WT-MakeList Manual
- ✓ Newest version of WT-ToolExport integrated:
 - ✓ Selection of the filter 'Preferred only' is saved
 - ✓ Better readability with higher DPI settings
 - ✓ Compatible with *WinTool* 2014

- ✓ Individual tool import: Ident-No is imported as an NC number if 'T-No=Ident No' is activated in the assigned machine and T-Number = 0.

2.8

- ✓ Compatible with *WinTool* 2013, 2012 and 2011
- ✓ *WinTool* Integration in hyperMILL 2013 with import and export button

2.7

- ✓ Tool style 'Boring Bar' (/HM13) added
- ✓ Drill with steps: Cutting length is imported from cutting depth B4 instead of cutting length B1
- ✓ Chamfered Cutter: Nominal diameter is imported from the set diameter of the measuring point
- ✓ Improved import of pilot drill and radial groove mill

2.6

- ✓ Compatible with *WinTool* 2012 and hyperMILL 2012
- ✓ Tool geometry is imported as 'free geometry' in order to support special tools
- ✓ Special contours for tool assemblies can be saved in DXF format in the 'Usermodel' folder
- ✓ The parameters 'core diameter' and 'core height' are imported with the end mill, radius mill and woodruff
- ✓ Tool style 'Chamfered profile cutter' (/HM11) is now imported as 'Chamfered cutter', as 'Chamfered profile cutter' is no longer supported by the hyperMILL cycle
- ✓ When importing a tool list, only tool assemblies that appear multiple times on the list are numbered
- ✓ Newest version of WT-ToolExport integrated:
 - ✓ Adjustable search window height
 - ✓ Compatible with *WinTool* 2012

2.5

- ✓ Compatible with *WinTool* 2011, hyperMILL 2010 and hyperMILL 2011
- ✓ Newest version of WT-ToolExport and WT-MakeList integrated
- ✓ Tool style 'Ignore' (/HM00) added
- ✓ Improved error handling

2.4

- ✓ New: *WinTool* 2010 must be open when the Interface is in use
- ✓ Newest version of WT-ToolExport module integrated
- ✓ Interface settings can now be configured using a window
- ✓ Support for T-slot cutters and Chamfered profile cutters
- ✓ Support for Monoblock tools
- ✓ Corrected transfer of horizontal angle for Turning Plate tools (BNJ and FSJ)
- ✓ Support for CAPTO captures
- ✓ Mounting component for a tool assembly is determined automatically
- ✓ Cutting Parameters: Axial feed and Cutting Parameter type (*WinTool* 2010) are transferred
- ✓ Support for hyperMILL coolant via Interface settings
- ✓ New Cutting Parameter import procedure (if the setting `SelectCutData` is activated)
- ✓ Improved processing of class configurations and tool contours
- ✓ Expansion of the manual

2.3.1

- ✓ Compatible with *WinTool* 2009 and *WinTool* 2010

2.3

- ✓ Installation of the Interface using a setup program

- ✓ Support for tap tools and 2-step drills
- ✓ Correction for side mill and deburring mill
- ✓ Automatic query if there is no hyperMILL tool style assignment
- ✓ Expansion of the manual

2.2

- ✓ Correction for drill points for drills and tap drills
- ✓ Expanded support for mounts and extension geometries
- ✓ Expanded syntax testing for tool data
- ✓ WT-hyperMILL-Interface.cfg: Standard value is now `SelectCutData = false`

2.1

- ✓ Tools, tool lists and components are saved in order
- ✓ Display of Cutting Parameter window during export
- ✓ Expansion of Cutting Parameters with additional values
- ✓ Expanded syntax testing for Cutting Parameters and Tool data
- ✓ Expanded validation for tool geometry data
- ✓ Change of the XML format to Unicode to support special characters

2.0

- ✓ Completely newly developed Interface