WinTool Interface for hyperMILL

Release 2.15.0 for hyperMILL 2022 and higher

History

2.15.0

New features, improvements & changes

- Compatible with WinTool 2023.3
- Compatible with hyperMILL 2023
- New tool type «Indexable cutter with high feed inserts (indexableHighFeedCutter)» (/HM19) added
- Improved calculation of reach value in milling tools
- Improved export for «Ball Mill» (/HM02) tools with a conical tip
- Bug fix in wrong contour export for drills and mills
- Bug fix for changed Material configuration that didn't effect material name in cutting condition export
- Minor Improvements
- Includes newest versions of WT-ToolExport with minor improvements
- Includes newest versions of WT-MakeList

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°

2.14.5

New features, improvements & changes

- 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, improvments & 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 (RecessoingTtool)» (/HM32) added
    - Tool type «Axial recesing tool (AxialRecessingTtool)» (/HM33) added
    - Tool type «Parting tool (partingTtool)» (/HM34) added
- Configureable 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 (insertTtool)» (/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