

# WinTool Interface for hyperMILL

Release 2.15.1 for hyperMILL 2022 and higher

## History

### 2.15.1

#### New features, improvements & changes

- Compatible with WinTool 2023.6
- Compatible with hyperMILL 2024
- Change behavior of the interface asking the user to start last used WinTool instead of aborting execution with the message "WinTool must be started..."
- Added new tool type «Gun Drill (gunDrill)» (/HM20)
- Removed tool type «Tap Tool Lead In (tapTool)» (/HM15)
- Removed ToolGeometryMode "special" option from Interface configuration
- Improved creation process of extension parts
- Improved tool geometry import. Sections Shank and Tip come with specific contour for each one, instead of importing full tool contour into Tip's section geometry.
- Improved calculations for tool values of the following tool classes:
  - «Radius Mill (radiusMill)» (/HM03)
  - «Side Mill Cutter Woodruff (woodruff)» (/HM06)
  - «Barrel Cutter (barrelcutter)» (/HM07)
  - «Lens Cutter (lenscutter)» (/HM08)
  - «Thread Mill (threadMill)» (/HM09)
  - «Chamfered Cutter (chamferedcutter)» (/HM11)
  - «Tap Tool (tapTool)» (/HM12)
  - «Reamer (reamer)» (/HM14)
  - «Tangent Barrel Tool (tangentBarrelTool)» (/HM16)
  - «Indexable cutter with high feed inserts (indexableHighFeedCutter)» (/HM19)
- Fixed wrong placement of inserts for «Recessing tool (recessingTtool)» (/HM32)
- Fixed issue where materials placeholder [CutData.Rem] value was not replaced
- Fixed issue where Coolant6 value could not be changed
- Cleaned up written xml exchange file
- Update WTMakeList to version 3.13.3 solving issue when adding tool assemblies to an existing tool list
- Includes newest versions of WT-ToolExport with minor improvements

#### 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°

### 2.15.0

#### 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, 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 (RecessingTtool)» (/HM32) added
  - Tool type «Axial recessing tool (AxialRecessingTtool)» (/HM33) added
  - Tool type «Parting tool (partingTtool)» (/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 (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