

WinTool Interface for VERICUT

Release 3.2.0 for VERICUT

History

3.2.0

New features, improvements & changes

- Compatible with WinTool 2024.1
- Updated TLS format to version 9.3.
- Improved driven point placement
- Improved model import for tool type "Milling" (/VC01)
- Improved profile import for tool type "Probe" (/VC04)
- Support parametric import of "Outline 14-06" as "Thread Insert Double Symmetric"
- Added tool type "ThreadMill" (/VC05)
- Added tool type "Drilling" where tool type "Tap" is included from now on (/VC03)
- Added new Configuration option: "UseModelsForMilling"
- Fixed revolved profile issues which were causing component disappearance or wrong display
- Fixed issue where the shank component was considered as holder part
- Removed configuration options:
 - UseModelParameters
 - PLYadd
 - STEPadd
 - STLadd

Known issues

- After the import of some milling tools, it might occur that the half cutter part is floating. This is a miss display issue and will be closed by the CGTech team in a future version.

Important Notes

- The following outlines are not supported parametrically from Vericut and can be imported only using a step file.
 - 14-07-R
 - 14-07-BR
 - 14-07-BL
 - 14-07-L

3.1.0

New features, improvements & changes

- Compatible with WinTool 2023.3
- Compatible with VERICUT 9.4
- Added turning tool import using model files (machine adapter, holder and insert). Parametric import of inserts without model file.
 - General Inserts

- Groove Inserts
- Thread Inserts
- Improved insert placement system (position, orientation and angle) according to the holder
- New version of WT-ToolExport integrated with a new and powerful search UI/UX for Tool Assembly, Tool list and Machine.
- Updated CodeMeter Runtime to CodeMeter 7.6
- Fixed angle head tools importing.
- Fixed issues where interface was treating tools as not supported.
- Fixed issue where the probes were misplaced according to holder part.

Known issues

- After import of some milling tools it might occur that the shank is not displayed. This is a display only issue and will be closed by the CGTech team in a future version. The issue is handled in the ticket [SCR 00738394 - Tool Manager - partial cutter profile displayed when Flute Length intersects profile segment](#).

Important Notes

- The following outlines are not supported parametrically from Vericut and can be imported only using a step file.
 - 14-06
 - 14-07-R
 - 14-07-BR
 - 14-07-BL
 - 14-07-L

3.0

- Compatible with WinTool 2020.3
- Compatible with VERICUT 9.1
- Implementation of new License Mechanism
- Corrected orientation of the Z-axis
- Added new Configuration option:
 - "ToolOrigin"
 - "CutterCompensationID"

2.13

- Added option to define the tool description
- Added option to define the driven point name or to completely switch it off
- Fixed insert position for neutral holders

2.12

- Compatible with VERICUT 8

2.11

- Tool type "Milling" (/VC01): Shank is imported as part of the cutting tool component to avoid unnecessary collision messages. The non-cutting section of the tool is imported as a separate component
- Added tool type "Probe" (/VC04)
- Adjusted name of driven point and cutter compensation to be the same as tool ID

- Adjusted import of tool type "Tap" (/VC03)
- Corrected import of inserts, spindle direction, cutter contour

2.10.1

- Corrected turning tool export error

2.10

- Corrected issue in tool profiles where arcs are imported the wrong direction in some cases
- Added setting "T-Prefix" which sets a prefix in front of each VERICUT tool ID

2.9

- Compatible with *WinTool* 2011 – 2014
- Corrected issue in tool profiles where arcs are imported the wrong direction
- Recognizing ".stp" and ".step" as file extensions for STEP models
- Separated program files and user data into different directories
- Included newest version of WT-ToolExport
 - Saving selection state of "preferred only" filter
 - Improved readability with high DPI settings
 - Compatible with *WinTool* 2014
- Single tool assembly import: Transferring ident-no for t-no if "T-No=Ident No" is activated in the machine type

2.8

- Compatible with *WinTool* 2013, 2012 and 2011
- Support for custom turning tool insert 3D models (see page 16)
- Added option "altCode" to configuration setting "ToolListToolID"

2.7

- Added tool type "Tap" (/VC03) which imports tap tools as VERICUT type "Tap"
- Support for milling cutter and milling holder 3D models
- Tool types "Milling" and "Tap": Added default driven point (0 0 0) and cutter compensation value of "tool assembly diameter / 2"

2.6

- Support for *WinTool* 2012 and VERICUT 7.2
- Tool assemblies with non-cutting sections are supported. Shank section is transferred as separate component when DXF usermodel is used
- Updated DXF usermodel specifications due to support for tool assemblies with non-cutting sections (see page 14)
- Included newest version of WT-ToolExport
 - Resizable search windows
 - Compatible with *WinTool* 2012

2.5

- Support for *WinTool* 2011 and VERICUT 7.1.5
- Added tool type "Ignore" (/VC00) for tool assemblies that must be ignored on import
- Included newest version of WT-ToolExport
- Improved error handling

2.4

- Added support for STEP 3D models
- 3D models named "Tool.Nr" in the "UserModel" folder are used as holder models. 3D models named "Tool.Nr" + "H" are also valid
- Added support for cutting 3D models if *WinTool* tool type of cutting part is SKJ

2.3

- Added configuration setting "ToolListToolID"
- Added new WT-ToolExport module
- Added interface configuration window

2.2

- Transferring T-No instead of Ident No as tool ID if tool list is exported
- Updated user model section of manual

2.1.1

- Using region-independent decimal point

2.1

- Included support for 3D models (STL, PLY, STK)
- 3D models are stored in the "UserModel" folder
- Added configuration file settings:
 - Adjustable exchange file name for tool list export
 - Customizable 3D model parameters <origin> and <rotation>
 - "Quiet" mode which deactivates error messages during the transfer
- Added single tool assembly export to WT-ToolExport.exe
- Tool assembly: the shank is the non-cutting section of the cutter component.
- Turning tools: transferring inserts into VERICUT as type "General Insert"
- Improved DXF-contour import
- Fixed error in license check

2.0

- Compatible with WinTool 2009 & WinTool 2010
- WinTool must be started
- Using TLS in XML format (VERICUT 6)
- Adjusted tool types
- New configuration file structure
- Tool ID in Vericut contains *WinTool* tool ident nr. and tool list nr.
- Customizable DXF-contour for a tool assembly
- All user models are stored in one folder (TLS, DXF)
- Removed support for 3D models (PLY, STL) temporarily
- Support of turning tools via custom TLS files
- WTxTShape module in *WinTool* folder is used to make sure that newest functionalities are automatically included
- Interface is started through WT-ToolExport.exe

1.6

- Compatible with *WinTool* 2007 & *WinTool* 2008

- Latest WTxTShape functionality implemented (Shape V2.0) (see WTxTShape manual for further improvements)
- T-Number is taken from tool list
- All usermodels supported via usermodel-checkbox in *WinTool* (/VC switch is not supported anymore)
- Better data fetching logics
- Improved support for PLY and STL files

1.5

- Setup with automatic configuration
- Support for PLY and STL files

1.4.0.8

- Interface requires *WinTool* Professional version
- Latest WTxTShape functionality implemented (Shape V1.9)
- TLS-Filename is now extracted from *WinTool* Tool List
- Symbol " now supported in Tool Description

1.4

- Version 1.4.0.5: fixed error with A5 in BNN
- Compatibility with *WinTool* 2006
- Error with double lines fixed
- Fixed error with spaces in path and file names

1.3.0.5

- Latest Shape functionality included

1.3

- Support for shape 1.3 geometries
- Configuration via a .cfg text file instead of MS Access database
- vcERR.txt removed

1.0.5/1.0.6

- Latest shape module functionality is implemented:
- usage of the theoretical point with FSN
- adjustable diameter is used (if greater than 0)
- usage of the effective diameter

1.0.4

- Support for Special tools via TLS
- Latest Shape module functionality is implemented
- Proper filename when calling the module from *WinTool* export
- Installation manual available

1.0.2

- First version with shape functionality

1.0.1

- First version with simple data exchange