WinTool Interface for VERICUT

Version 3.0

Changes

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

✓ 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 (10.12.12)

✓ 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

✓ 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
- ✓ 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 vie 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