

# **WinTool Interface for UG NX CAM**

## **Version 4.3**

### **Changes**

#### **Version 4.3**

- Added compatibility with UG NX 8.0
- Added support for new UG NX tool type "Chamfer mill"
- Included new WT-MakeList module

#### **Version 4.2**

- Improved holder geometry transfer
- Transferring cutcom and length adjust numbers if tool list is imported
- Added support for drills with flat tip
- Transferring upper and lower radius of t-slot mill

#### **Version 4.1**

- Added new WT-ToolExport module
- Added WT-UG NX-Interface configuration window
- Minor update of cutting condition selection window
- Added compatibility with UG NX 5.0
- Added material based cutting condition transfer (`SelectCutData = true`)

#### **Version 4.0 Beta**

- Using NX Open .Net API instead of C++ API
- Added "Reset" button
- Generating tools with holders instead of toolshapes (.prt)
- Technology data is always transferred
- No support of inch tools
- No support of quiet mode
- Disabled progress windows and "put" for highlighted operations
- Removed obsolete .cfg parameters and 3D Samples for Turning Tools

#### **Version 3.2.9.8144**

- Support for WinTool 2009 and WinTool 2010 (ToolExport and MakeList)

#### **Version 3.2.9**

- Support for NX5 and NX6 (signed DLLs)

#### **Version 3.2.8**

- No more user models are overwritten
  - Diameter now correctly set when tool lists are transferred
-

### Version 3.2.5

- Turning tools and extended Tool\_Database implemented
- Lollipop mill supported if classified as barrel mill
- End mill taper angle from WinTool field E1 transferred with higher priority than from G5

### Version 3.2.2

- TAPA for Face Mills correctly supported
- HEI value is automatically reduced to FL if any angle is present

### Version 3.2.1

- Exchange format changed (no more user9 / user10 fields, new UG fields added)
- Corner radius of End Mills now transferred to COR1 as well as to LCOR
- Quarter round mills supported (with negative corner radius)
- For Shell Mill diameter WinTool diameter A2 is used instead A1
- Tip Length for center drills correctly supported
- User field C14 supported for manual setting of Orientation Angel "OA"
- User field C15 supported for manual setting of Insert position "INSP" (up/down)
- X64 support included (as additional file version)
- Optional export limitation of assemblies within a highlighted operation

### Version 3.1

- Correction with tool list import
- Angle E1 correctly supported
- Corner radius for tools with insert supported

### Version 3.0

- New shape module implemented (se separate manual).
- Parameters transferred correctly now for Spot drills, Taps and Face mills
- User model flag supported
- Transferred flag supported
- Tool\_database.dat is no longer deleted after import but before next data exchange
- Layer 5 automatically is set to selectable (visible)
- Parameter value LOAD\_LIMIT=1 is checked during import
- No more message if transfer was successful
- Message text is configurable now (for better translation)
- Shorter timeout when selection is interrupted
- Inch values and parts are supported
- Pathnames with spaces supported
- Fast and extended tools-search with new ToolExport module
- Fully SAL and multy-language support with new ToolExport module

### Version 2.8

- Non metric tools supported (parts for simulation is built as inch model)
- Cutter radius supported for face mills
- Pitch and tip angle supported for taps

- Diameter correctly transferred for spot mills
- Layer 5 is automatically set to selectable
- Error message included if UGII\_CAM\_LIBRARY\_TOOL\_ASCII\_LOAD\_LIMIT not set to 1
- Messages translated to English
- Timeout after interruption of tool selection reduced
- No more message if transfer was successful
- Shipped with new Shape module 1.8 (supporting backside cutting and problem free taps)
- Updated manual

#### **Version 2.7**

- Spaces allowed in installation- and exchange path
- Support for turning tools, spot drills and barrel mills
- Technology databases are updated during data exchange
- WT-ToolExport module implemented as replacement for not fully satisfying dll's
- No more problems with user rights and SQL-server access
- New WTMakelist module 3.0 implemented (better support for defaults and user rights)
- Shipped with new Shape module 1.7 (see separate documentation)

#### **Version 2.6**

- Shipped with new Shape module 1.6.9
- Tool-ID Prefix implemented (for NX 3 users)
- Additional UG Tool Types supported
- Fees&Speeds supported (file replace method)
- Optional "Transferred-Flag" omitting
- Proven User-Model handling
- Geometry definition unified according latest Parts-Geometry-Documentation