

# WinTool Interface for SolidCAM

Release 3.6.4 for SolidCAM 2021 and higher

## History

### 3.6.4

#### New features, improvements & changes

- Add transfer of tool class as Cutter Name for all tool types
- Fixed issue with NullReferenceException importing «Measuring probe (Probe)» (/SC19)
- Fixed issue with unexpected termination during import of «Thread mill (ThreadMill)» (/SC17)
- Fixed issue with gap in 3D model for «Chamfer drill (ChamferMill)» (/SC13)
- Fixed issue with gap in 3D model for «DoveTail Mill (DoveTailMill)» (/SC05) and «Taper Mill (TaperMill)» (/SC06)

#### Known issues

- When transferring touch probes from WinTool to SolidCAM, the holder zero point is defined incorrectly, i.e. it is shifted from the originally defined holder zero point to the cantilever length of the holder. As a result, the probe is positioned incorrectly in the machine spindle.
- Provided sample project not working with newer versions of InventorCAM
- Cooling exported as part of cutting conditions are ignored
  - As workaround the cooling of the tool assembly can be used

### 3.6.3

#### New features, improvements & changes

- Compatible with WinTool 2024.3
- Compatible with SolidCAM 2025
- Add support for new tool types
  - «Taper ball nose (TaperBallNose)» (/SC20)
  - «Barrel mill (BarrelMill)» (/SC21)
  - «Oval mill (BallBarrelMill)» (/SC22)
  - «Barrel lens form (BarrelLensForm)» (/SC23)
  - «Barrel taper (BarrelTaperMill)» (/SC24)
- Improved contour import in «Thread mill (ThreadMill)» (/SC17)
- New configuration options “Message1” to “Message5” to customize values for the Message 1 to Message 5 fields in SolidCAM.

#### Known issues

- Cooling exported as part of cutting conditions are ignored
  - As workaround the cooling of the tool assembly can be used

### 3.6.2

#### New features, improvements & changes

- Change behavior of the interface asking the user to start last used WinTool instead of aborting execution with the message "WinTool must be started..."
- Add helical angle and tool material transfer (see manual for details)
- Improved insert orientation for Grooving and Threading tools
- Improved SIDE-FRAME.prz sample file
  - Upgraded PRZ file to SolidCAM 2023
  - Changed default machine to gMilling\_3x
- Fixed issue “You did not define any index table. Please add at least one.” when exporting tool lists

- Fixed issue “Please define Turret ID in the DPP file” when exporting tool lists
- Update WTMakeList to version 3.13.3
- Includes newest versions of WT-ToolExport with minor improvements

#### Known issues

- Cooling exported as part of cutting conditions are ignored
  - As workaround the cooling of the tool assembly can be used

### 3.6.1

#### New features, improvements & changes

- Compatible with WinTool 2023.6
- Compatible with SolidCAM 2024
- New configuration option “TransferOnlySelectedCutData” to transfer only the selected (active) cutting condition
- New configuration option “FeedZReduction” for changing default behavior (30%) of transferring the calculated value for Feed Z
- Bugfix in placeholder replacement of CutData.Rem, CutData.TypeOfCut and CutData.CoolentType
- Update WTMakeList to version 3.13.2 solving issue when adding tool assemblies to an existing tool list

#### Known issues

- Cooling exported as part of cutting conditions are ignored
  - As workaround the cooling of the tool assembly can be used

### 3.6.0

#### New features, improvements & changes

- Compatible with WinTool 2023.3
- Compatible with SolidCAM 2023
- Add support for driven tools
- Bugfix for issues with rotation for internal and external threading tools
- Bugfix for issues with lead angle and rotation for turning and grooving tools with an angle of 0° and (-)90°
- Improved lead angle and rotation for turning tools with an angle between 0° and (-)90°
- New version of WT-ToolExport integrated with a new and powerful search UI/UX for Tool Assembly, Tool list and Machine.
- Includes newest versions of WT-MakeList
- Improved Setup
  - Installation of integration files for SolidCAM 2021, 2022 and 2023

#### Known issues

- Cooling exported as part of cutting conditions are ignored
  - As workaround the cooling of the tool assembly can be used

### 3.5.2

#### New features, improvements & changes

- Configurable Name for cutting data
- Configurable Work Material for cutting data
- Corrected usage for UserModels Flag when importing tools
- Improved calculated values for Feeds & Spins in cutting condition
- Bugfix for wrong path used inside the integration file Wintool-MakeList\_rev2.DPP required by PutList function
- Replaced CodeMeter 7.30a prerequisite by CodeMeter 7.6

### Known issues

- Cooling exported as part of cutting conditions are ignored
  - As workaround the cooling of the tool assembly can be used

### 3.5.0

- Compatible with WinTool 2022.2.0
- Bugfix DXF generation for Thru Hole Taps with a tip angle of 180°
- Bugfix missing Thread Parameters for Thread Mills
- Bugfix feed per tooth calculation for drills
- Bugfix mirrored inserts when transferring turning tools
- Bugfix exporting some tools throwing System.Collections.Generic.KeyNotFoundException
- Move Exchange, UserModels and Sample Data folders to Public Documents\WT-SolidCAM-Interface
- Improved Setup
- Embed release notes into setup
  - Added shortcut to start menu
- Bugfix for broken start menu shortcut to the manual
- Extend manual with troubleshooting for not working “PUT” button
- Updated chapter Tool List export in the manual

### 3.4.1

- Bugfix for an error that prevents export of turning tool

### 3.4

- Compatible with WinTool 2022.1.0
- Compatible with SolidCAM 2022
- Ensured compatibility with WinTool Versions older than 2020.3.1
- Corrected writing of holder contours
- Thread Mills Cutting Length is now correctly calculated
- Improved Import of Cutting Conditions

### 3.3

- Compatible with WinTool 2021.2.0
- Compatible with SolidCAM 2021
- Coolant Import improvement
- New configuration option “RoughActive”
- Added Pitch and Helical Angle to Tool Import

### 3.2

- Compatible with WinTool 2021.1.3
- Coolants are now configurable such as in SolidCAM
- Cutting Conditions now have a Configuration option for an Import with the WinTool or the SolidCAM definitions
- Added new configuration option “UseShapeImport”

### 3.1

- Compatible with WinTool 2021.1
- Turning Tools holder rotation improvement

### 3.0

- Compatible with SolidCAM 2021
- Turning Tool Import optimization
- Implementation of the new 3D Export (Automatic Export of .STL files and conversion of .STEP to .STL)

### 2.1.1

- Compatible with WinTool 2020.3.1
- Cutting Conditions Import optimization when selecting a Single Cutting Condition

### 2.1

- Compatible with WinTool 2020.3
- General Tool Import optimization
- Cutting Conditions Import optimization

### 2.0

- Compatible with WinTool 2019.1
- Additionally compatible with SolidCAM 2020-1
- Inch Tools are now correctly imported
- Conical transition from mill to the shank is now correctly displayed
- New configuration option "Description"
- ✓ Improvement on the Import of Cutting Conditions
- ✓ Improvement on Coolant support:
  - ✓ New configuration option "Coolant0-Coolant9"
- New flexible License system
- Support of Turning Tools:
  - Tool type "Internal turning/InternalGeneral" (/SC30) added
  - Tool type "External turning/ExternalGeneral" (/SC31) added
  - Tool type "Internal grooving/InternalGrooving" (/SC32) added
  - Tool type "External grooving/ExternalGrooving" (/SC33) added
  - Tool type "Internal threading/InternalThreading" (/SC34) added
  - Tool type "External threading/ExternalThreading" (/SC35) added

### 1.12

- Additionally compatible with SolidCAM 2018.
- MakeList 3.11.0 added
  - MakeList now supports file versions 2.3
  - Optional support of several D and H values
- WinTool Tool export changes:
  - Shows the assembly state of the tools in the selection list
  - Display of available tool duplicates in the CAM tool selection

### 1.11

- Additionally compatible with SolidCAM 2016.

### 1.10

- Additionally compatible with SolidCAM 2015.
- Adjustment on the face mill import
- Corrections on the post-processor for list export
- Correction during import of thread mills: number of teeth and gradient

### 1.9

- Additionally compatible with SolidCAM 2014
- Tool type "Probe/measuring probe" (/SC19) added
- Correction during import of tool assembly holders

### 1.8

- Compatible with *WinTool* 2011-2014
- Import as custom tool when User model enabled or contour DXF defined
- Corrections during import of the shoulder length during milling

- Correction during import of the taper mill angle with the face mill type
- Latest version of WT-MakeList version integrated, for details, see WT-MakeList Manual
- Latest version of WT-ToolExport integrated:
  - Selection of the filter "Preferred only" is saved
  - Better readability with high DPI settings
  - Compatible with *WinTool* 2014
- Individual tool import: ID no. is imported as NC number if "T-No=Ident No" is enabled in the machine assigned and T-number = 0.

## 1.7

- Compatible with *WinTool* 2013, 2012 and 2011
- Compatible with SolidCAM 2013, 2012, 2011 and InventorCAM 2013
- Option for defining a special contour for each tool assembly (page **Fehler! Textmarke nicht definiert.**)
- Latest version of WT-MakeList integrated. For details, see WT-MakeList-Manual

## 1.6

- Compatible with *WinTool* 2012 and SolidCAM 2012
- Corrections during import of taper mill, slot mill, dove tail mill, chamfer drill
- Adjustment during import of the tool parameter "shaft diameter"
- Support of the tool parameters "shoulder diameter" and "start shoulder length"
- Latest version of WT-ToolExport integrated:
  - Height of search window adjustable
  - Compatible with *WinTool* 2012

## 1.5

- Compatible with *WinTool* 2011 and SolidCAM 2011
- Latest versions of WT-ToolExport and WTMakeList integrated
- New tool type "Ignore" (/SC00) added
- Improved troubleshooting

### 1.4.3

- Installation of the interface via set-up programme
- New: WinTool 2010 must have been started when interface is used
- New WT-ToolExport module integrated
- WT-MakeList version 3.7 integrated
- Interface settings can now be configured via window
- Support of CAPTO recordings
- Type taper mill (/SC06) is imported correctly
- Holder component of a tool assembly is determined automatically if not available
- New cutting condition import process (if setting SelectCutData is enabled)
- Improved processing of class configuration

### 1.4.2

- New field "UseDxfShapeCutting" added to csv. The value is fixed to "1".
- SolidCAM integration added

### 1.4.1

- Compatible with *WinTool* 2009 and *WinTool* 2010

## 1.4

- Fields "Description" and "Message1-5" in the csv are filled with WinTool fields Descript, Design, OldName, MSign, ReplacedBy and MDate.
- Splitpoint is generally set to 0.

- "FType" is set to "F". Base value for "Feed" fields is F from the cutting condition. For the types CENTER DRILL, SPOT DRILL, DRILL, CHAMFER\_DRILL, TAP, REAMER, BORE, "FeedZ" and "FeedZPenetration" will not be divided in half.
- The *WinTool* tool assembly number in the format "#KWZNR" is appended to "ToolName" and "HolderName".
- "ToolUserType" is filled with the class name of the tool assembly.

### 1.3.1

- Correct handling of "Splittpoint"
- Cutting condition data selectable

## 1.3

- #2140: Change ToolTypes according to Spec of SC (Schumacher, RK, 07/09/09) (SC09: ENGRAVING TOOL is not the right tool type (Illig, RK, 24/07/09))
- #2141: Parameter "/M 1" generates a .csv with a line that is there twice. (OB, 01/09/09)
- 1.2
- #2038: SC15: Calculate ShoulderLength (Illig, 17/07/09)
- #2039, #2040, #2041, #2042: Change of the tool types:  
BALL-NOSED → BALL NOSE MILL, BULL MILL → BULL NOSE MILL,  
TAPER → TAPER MILL, SLOT → SLOT MILL, LOLLIPOP → LOLLIPOP MILL,  
ENGRAVING → ENGRAVING TOOL, CHAMFER\_DRILL → CHAMFER\_DRILL

## 1.1

- #2021: Name correction of the interface
- #2022: Use neck diameter of the name-giving component as ArborDiameter, if available (Illig, 09/07/09)
- #2023: SC05: "Angle" = 180° - E1 (Illig, 09/07/09)
- #2024: SC09: "TipDiameter" has to be greater than 0 (Illig, 09/07/09)
- #2025: SC10: "Angle" = E1 (Illig, 09/07/09)
- #2026: SC10: "TaperAngle" = E2 (Illig, 09/07/09)
- #2027: SC17: "Diameter" and "CuttingLength" added (Illig, 09/07/09)

## 1.0.0

- First version