

# WinTool Interface for ESPRIT

For ESPRIT 2017-2022

## Changes

### 2.18.1 (12.05.2022)

- Compatible with WinTool 2022.1.0
- Compatible with Esprit 2022
- Ensured compatibility with WinTool Versions older than 2020.3.1

### 2.18.0 (28.07.2021)

- Compatible with WinTool 2021.1
- Compatible with Esprit 2021
- Improved PUT export to WinTool

### 2.17.1 (07.11.2019)

- Added new Configuration Option LengthCompRegisterValue
- Added new Configuration Option ToolNumberValue
- Improved Import/Export of Turret/Station definition

### 2.17.0 (10.09.2019)

- Support for Esprit 2018 and Esprit 2019
- Asking for target turret and station on import
- Asking for target orientation on import
- Improved import of drills with exchangeable heads
- Improved licensing mechanism

### 2.16.1 (22.03.2018)

- Improved Setup

### 2.16.0 (28.02.2018)

- Compatible with ESPRIT 2017R4
- Added new handling for tools with multiple Length Comp Register values
- SQL Native Client is not included in the Setup
- Fixed issue where Esprit was required to run in compatibility mode under certain conditions
- WinTool tool export changes:
  - Showing assembling state of tools in selection list
  - Displaying available tool duplicates in CAM tool selection

### 2.15.12 (15.11.2017)

- Compatible with ESPRIT 2017R2
- Support for license keys with more than 7 characters

### 2.15.11 (4.8.2017)

- Compatible with ESPRIT 2017
- Corrected placement of turning tools when using
  - non-standard axis configuration
  - linear movement axis
  - no axes

- Supporting turrets with rotation axes different than Z+ (0/0/1)
- Improved import of non-standard (e.g. 45°) angled tools for Z+ and X+ turret rotation axes
- Tool shape import of mills/drills in turning tools can be enabled by setting "enableShapeInLatheMachiningMode"
- Import of ESPRIT tool custom settings can be changed using settings "CustomSetting1-10"
- Station "Turning Tool Z Rotation Angle" value is now used to rotate the turning tool
- Corrected import of milling/drilling tools with angled head holder
- Corrected import of back boring tools
- Updated instructions for creation of custom ETL tools using /ES14 and /ES15

#### 2.15.10 (4.5.2016)

- Compatible with ESPRIT 2016
- Corrected turning tool drill holder placement when orientation is Z -

#### 2.15.9 (27.11.2015)

- Compatible with ESPRIT 2013/2014/2015
- Corrected face mill import
- Added configuration setting "ImportCustomSettings" to selectively enable/disable import of ESPRIT custom settings

#### 2.15.8 (14.7.2014)

- Corrected tool and shank diameter import of boring bar tools

#### 2.15.7 (2.7.2014)

- Corrected handling of tool assemblies which contain the character '#' in the description

#### 2.15.6 (1.7.2014)

- Using Unicode character encoding to support all character sets

#### 2.15.5 (30.6.2014)

- Support for *WinTool* 2011 – 2014
- Separated program files and user data into different directories
- Corrected lead angle calculation of neutral turning tools
- Loading STL with ETL file if it exists
- Improved usability of license login
- Included newest version of WT-MakeList (see detailed changes in WT-MakeList manual)
- Included newest version of WT-ToolExport:
  - Saving selection state of "preferred only" filter
  - Improved readability with high DPI settings
- Single tool assembly import: Transferring ident-no for t-no if "T-No=Ident No" is activated in the machine type

#### 2.15.4 (31.10.2013)

- Included newest version of WT-MakeList due to issue with SQL Server

#### 2.15.3 (21.10.2013)

- Compatible with WinTool 2013, 2012 and 2011
- Corrected tool shift of tool assemblies with radial head
- Removed WinTool database parameters from WT-Esprit-Interface.cfg

- Included newest version of WT-MakeList (see WT-MakeList manual for details)

### 2.15.2 (5.4.2013)

- Changed import of noncutting diameter to avoid invalid tool models
- Corrected import of grooving insert property E
- Improved error messages
- Removed WTEsprit.cfg parameter "ExportUnusedTools"

### 2.15.1 (9.1.2013)

- Compatible with *WinTool* 2012
- Included newest versions of WT-ToolExport and WT-MakeList
- Better compatibility with tools using diamond shape inserts
- Better compatibility with pilot drills
- Supporting tool shapes with noncutting diameters
- Resizable tool selection window

### 2.14.2 (23.5.2012)

- Compatible with WinTool 2011
- Included newest versions of WT-ToolExport and WT-MakeList
- Improved error handling

#### **WT-ToolExport**

- Start-up time with large databases is quicker

### 2.14.1 (13.2.2012)

#### **KBM Integration**

- Overwriting CutData if everything but F&S are the same

#### **Setup**

- Re-integrated WT-MakeList
- Automatically setting path and file rights for easier configuration

### 2.14 (13.10.2011)

#### **Tool Selection**

- Better integration in *WinTool*
- More filtering options
- Easier usage
- Display of tool information and cutting data

#### **Tool Import**

- Corrected value for ToolLength
- Changed minimum value for Face Mill InsertEdgeLength and InsertWidth
- Changed FluteLength definition for BoringBars
- Completely rebuilt KBM Integration with support for remote servers

#### **WinTool ToolList creation**

- Easier Configuration
- Better Material Selection

### 2.13.1 (11.3.2011)

- Corrected issue with missing file WT-MakeList.cfg in setup

- Improved STL rotation algorithms
- Added STL rotation algorithms for tool changers with any B-axis angle
- Setting insert type acc. *WinTool* Schema for face mills
- Corrected tool length calculation
- Importing taper angle for taps
- Corrected calculation of taper angle for thread mills
- Correctly setting thread type for thread mills acc. selected *WinTool* schema
- Corrected tool angle calculation for bullnose mills
- Corrected ToolUpperDiameter for corner round mills
- Support for Back boring bars (Rückwärtssenker)
- Support for UnderCut Mills (Lollipop Fräser)

### 2.12.0 (2.11.2010)

- Fixed Interface registration issue in setup
- Support for systems with decimal comma (e.g. Germany)
- Improved cut data transfer algorithms
- Usage of multiple samples of the same tool on different turret stations
- Improved tool ID reading algorithms
- Moving STL with tool if it is moved to another station
- Corrected CustomSetting6 value usage for standard mills and drills
- Corrected calculation of InsertWidth for face mills
- Corrected cut data reading from *WinTool* allows usage of material field "User"
- Supporting thread angles for thread mills
- Support for single-point thread mills
- Support for Tool Types /ES14 and /ES15 (custom tools)

### 2.11.0 (20.8.2010)

- Support for Esprit 2011
- Better sample files
- Support for Tool Types /ES14 and /ES15 (custom tools)
- Support for STL orientation for different mounting orientations for rotating tools
- Rotating STL according mounting orientation useable without license
- Changed color and transparency of STL files on import
- Support for embedded STL files
- Corrected STL orientations for turning tools
- Not rotating STL if CS6 setting is unknown
- Message box if CS6 for turning tools is invalid
- Reloading STL at beginning of simulation
- Basic implementation of STL rotation on automatic tool changers
- Support for ETL files
- Tool import and export useable as trial version without license
- Support for crossheads

- Corrected insert type
- Support for different cutting types
- Corrected import of cutting data (importing all cutting data at first import)
- Support for *WinTool* 2010 field TypeOfCut
- Using tool geometry data if no DXF file was generated
- Corrected Insert Type