

Changes

This document contains the chapter "Changes in this version" of all WT-CAM-InterfaceApp manuals. Only changes related to the XML output and new features are listed. Details about the software fixes and module updates can be found in the chapter "History" of the WT-CAM-InterfaceApp manual.

1.5

XML Output

Change	Element	Datafield Name	Definition
New	<Materials> and <Material>		<p><Material> contains all data fields of the table "Materials". "MatClassDesc" and "MatClassQuality" (table "MatClasses") are included as well.</p> <p>Each material that is used in the cutting conditions and the tool list will be added as a <Material> element in the <Materials> element.</p> <p>The redundant data fields in <CutData> und <ToolListData> are marked obsolete and will be removed in one of the next versions.</p> <p>If you want to use the material data in context of the <CutData> and the <ToolListData>, from now on, use the CutData.MatNr and ToolListData.MaterialNr data fields to find the <Material> by matching the field "Nr".</p>
Update	<ToolAssembly>	CenterC	<ul style="list-style-type: none"> <i>WinTool</i> 2014 or newer: If non cutting diam. A4 of namegiving component is 0 True, else False Older than <i>WinTool</i> 2014: Field "Center Cutting" in <i>WinTool</i>

1.4

Updated Folder structure

Program files and user data are separated into different directories.

All user data is now centrally placed in the directory that is written inside in the text file "AppData". It is located in the installation directory of the WT-CAM-InterfaceApp. For details, see chapter **"Error! Reference source not found."** in the WT-CAM-InterfaceApp manual.

User data	New location
Default location of UserModels folder	[Directory in file "AppData"]\UserModels
Default location of Exchange folder	[Directory in file "AppData"]\Exchange
Configuration files: [Interface-name].cfg WT-MakeList.cfg WT-ToolExport.cfg	[Directory in file "AppData"]\

XML Output

Change	Element	Datafield Name	Definition
Update	<ToolAssembly>	TNumber	<p>Tool assembly (/T) and machine tools (/M) export:</p> <p>If the value Machines.TRelation of the machine that is assigned to the tool assembly is set to "true" and the tool assembly T-Number (Tools.T-Number) value is 0, the identification nr (Tools. Nr) is used. In any other case the T-Number (Tools.T-Number) is used.</p> <p>Tool list (/L) export:</p> <p>T-Number of tool assembly in tool list is used.</p>
Update	<Part> in <PartsArray>	AdjZVal, AdjArcVal, AdjDMVal, AdjXVal	<p>Starting with <i>WinTool</i> 2014, the corresponding database fields are allowed to be empty (null value). The reason for this is for <i>WinTool</i> and its modules to be able to use 0 as an adjustment value.</p> <p>Versions older than <i>WinTool</i> 2014 could not do that because they used 0 as a "sign" to indicate that no adjustment value is set and that the default values must be used (see next paragraph).</p> <p>If <i>WinTool</i> 2014 or newer is used and an Adj* field value is empty, the WT-CAM-InterfaceApp automatically writes the default value (see below) of the respective component data in the output xml file.</p> <p>If <i>WinTool</i> 2013 or older is used, the value 0 in an Adj* field indicates that the default values (see below) of the respective component data should be used by your interface application.</p> <p>The default values of the Adj* fields are: AdjZVal -> Parts.ZInfluence AdjDMVal -> Parts.DMC AdjArcVal -> Parts.ArcInfluence AdjXVal -> Parts.XInfluence These values are used in <i>WinTool</i> and all its standard modules.</p>
New	Root xml node	useZeroAdjustmentVal	<p>"True" if <i>WinTool</i> 2014 or newer is currently used, "False" in every other case. Datatype is bool.</p> <p>"True" indicates that the value 0 in the datafields "AdjZVal", "AdjArcVal", "AdjDMVal", "AdjXVal" must be interpreted as an actual 0 value. "False" indicates that if 0 is set, no adjustment value is set and that the default value must be used. (See row above for details)</p>

1.3.1

XML Output

Change	Element	Datafield Name	Definition
New	<ToolAssembly>	StockState	Datafield of table "Tools"

1.3

XML Output

Change	Element	Datafield Name	Definition
New	<ToolAssembly>	Size	Datafield of table "Tools"
New	<Part>	DMMin DMMMax DMChange	Datafields of table "Parts"
New	<PartNG> <PartCut> <PartHold>	SpinArc SpinDir	Datafields of table "Parts"
New	<CutData>	MatGroup1Nr	Reference to table "MatGroups1" of the material that is assigned to cutdata

Decimal separator

Decimal separator of floating point numbers can be fixed to "." regardless of the current regional settings via the configuration file. The setting is introduced to avoid breaking existing code. See chapter "Interface parameters" for details on how to activate this setting.

We strongly recommend changing the parsing of floating point numbers to always use "." as decimal separator for your next software release. We will eventually remove this setting and "." will be the standard decimal separator.

If you are using the .net Framework and the `double.Parse()` method, the easiest solution is to set the current culture to "Invariant Culture" (<http://msdn.microsoft.com/en-us/library/4c5zdc6a%28v=vs.90%29.aspx>) using this line at the start of your program:

```
Thread.CurrentThread.CurrentCulture = CultureInfo.InvariantCulture
```

1.2.1

1.2

- Added start parameter /l to WT-CAM- Interface-App.exe which exports a tool list by name
- Added new tool type "00"
- Improved error messages if interface is called with non-existent numbers or ToolTypes.xml has errors

1.1.1

1.1

Configuration window

- The configuration file can be edited through a configuration window. For details see chapter "Configuration"

Configuration file

- The file "WT-CAM-InterfaceApp.default.cfg" is used by the configuration window. It contains the default parameter values
- Parameters are not commented out anymore and do not have a space before and after "="
- The parameter "WinToolAppPath" was removed; it should not be used anymore
- The parameter "SelectCutData" has a new behaviour when it is activated (true). For details see chapter "Configuration"

XML

- The root tag contains an attribute "xmlVersion" which contains the version number ("majorNr.minorNr") of the WT-CAM-InterfaceApp
- Datafields:

Change	Element	Name	Definition
Obsolete	<ToolAssembly>	ToolListIdent ToolListRevolver ToolListD ToolListH ToolListPos ToolListNr	ToolListIdent is now in <ToolListData> Ident, all others in <ToolList> D, H, Pos and Nr
New	<ToolAssembly>	MachineTRelation	"True" if the machine which is belongs to the tool assembly has activated the setting "T-Nr = IdentNr", else "False"
New	<ToolAssembly>	IsMonoBlockTool	"True" if PartNG.ID == PartHolder.ID, else "False"
New	<CutData>	TypeOfCutNr TypeOfCut	In WinTool 2010: TypeOfCut = Name of assigned "type of cut" TypeOfCutNr = ID (database) of assigned of assigned "type of cut" If "type of cut" is not assigned or if WinTool 2009: Both values are empty