

GENIUS TOOLS[®] 

Startup TOOLS

Release 8.0.0.0

Release information

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1 Important information

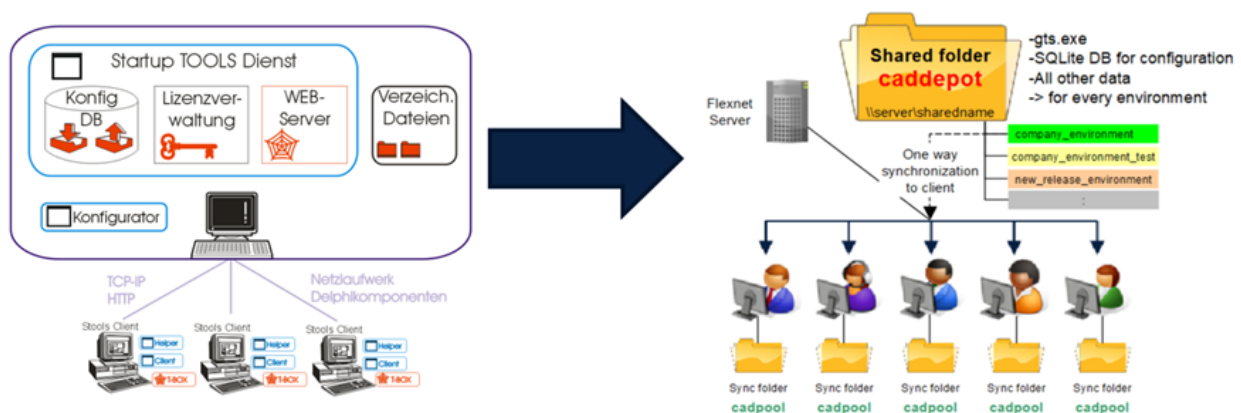
Warning: This document also contains separate release information sections on GENIUS TOOLS Starter and GENIUS TOOLS for Creo. Please take care to read the *Important information* sections for both products.

When updating the Startup TOOLS from an older version than Release 6.0, a migration process is necessary. There is a fundamental change in the software architecture. As of Release 6.0, the Startup TOOLS include the product GENIUS TOOLS Starter as configuration solution. The conversion results in additional effort in the update planning and execution.

Please note: Please refer to the document *Startup TOOLS Migration to version 6.pdf* for information on the impact of the new version.

The most important changes in philosophy are:

- Conversion from network drive to synchronization
- License conversion to standard technology FLEXNET



New architecture without network drive: Everything is synchronized locally.

Advantages of the Startup TOOLS from version 6.0

- Any number of Startup TOOLS releases and versions can be used in parallel in different operating environments.
- Operating environments can also be created as production, test, development or other environments.
- All relevant data is stored locally and is synchronized with the server. This has the following advantages:
 - Fastest possible Creo Parametric start.

- Business units with slow network connection can be included without parallel installations (e. g. at distributed locations).
- Convenient offline operation.
- Standard licensing via FLEXNET, licenses can be borrowed.
- Simple message system from administrator to user.
- Additional PTC desktop applications can be launched.
- Working with satellites, i.e. servers with a mirror image of one or more operating environments of a central main server, is possible, allowing for faster connection (from version 7.0.1.0).

Tip: The migration / update process can be performed in parallel. This means that the previous Startup TOOLS installation can still be used!

Updating to Startup TOOLS 7.0 and 8.0

- The set up requires .NET Framework 4.8.
- There is a new service for synchronizing data from the caddepot directory (of the administration computer) to the cadpool directory (of the user computer). It allows for faster data synchronization. If you plan to use the new service you need to install it on the computer with the caddepot.

Warning: Use GENIUS TOOLS Environment Administrator for updating software in the operating environment but note that you have to update data in the configuration and data directories manually. When transferring files from the installdpot to the operating environment check for each file whether it affects the operating environment. Check specifically any changes in the resource folder `.\configuration\gt_resource_folder` when updating GENIUS TOOLS for Creo.

Functions depending on license type

Starting with Startup TOOLS 6.0.1, the product functionality depends on the type of license you are using. Find the list of functions that are limited to subscription licenses in the chapters "Important Information " in GENIUS TOOLS Starter and GENIUS TOOLS for Creo respectively.

2 Hardware and software requirements

GENIUS TOOLS Starter works on all computers that fulfill the requirements for Creo 4.0 to Creo 7.0.

	GENIUS TOOLS Starter		
Version	6.0	7.0	8.0
Operating system	64-bit only Windows 10 / 8.1 / 7		
.NET Framework	4.6.2 Delivered with Windows 10 -1607 (+8.1; +7) (May have to be installed separately on WIN7/8.1)	4.8 Delivered with Windows 10 -1903 (+8.1; +7) (May have to be installed separately on WIN7/8.1)	
Minimum screen resolution	X=1280 Y=1024		
Flexnet	INNEO Licence Manager 1.0 M050 (Flexnet) and later		
Caddepot directory (Central storage location with UNC access)	circa 1 to 5 GB for each operating environment		
Cadpool directory (Storage location on the application computer)	Sufficient storage space to set up at least one operating environment		
Data synchronization using GENIUS TOOLS Starter Service	-	Windows computer where the Caddepot directory is located and where a service can be installed.	
Operating satellites	-	Communication port for REST API on main	

	GENIUS TOOLS Starter	
using GENIUS TOOLS Starter Service		server and satellites. Standard: 8092 Satellites need the same storage space as the main server.

Supported desktop applications

1. Programs starting with project configuration

- Creo 2.0-7.0
 - Parametric
 - Simulate
 - Direct
 - Layout
 - Options Modeler
- Creo Parametric 8.0

2. If installed, these programs will start automatically (autostart):

- Creo Illustrate
- Creo Schematics
- Mathcad Prime
- Creo Elements/Direct
- KeyShot
- Geomagic Design X

Caddepot

Read access: All users need read access to the Caddepot for synchronization to work.

Write access: For some functions users need write access to individual directories of an operating environment in the Caddepot.

- GENIUS TOOLS Starter App feedback on the last synchronization
... \serveronly_SyncResults\
- Central user configuration files
... \userdata
- Common databases for GENIUS TOOLS for Creo name generation (has to be configured manually)
... \serveronly\gt_numgen

Warning: This functionality cannot be used offline.

Cadpool

Read / write access: The user needs full write access to the local Cadpool for synchronization to work.

Client computers

Write access: Write access needs to be granted to the following Creo installation directories

- if more than the standard key (e.g. *parametric.psf*) or the synchronization of the start key is wanted: to the directory that contains Creo startkeys,
- if the files *config.sup*, *config.pro*, *creo_parametric_admin_customization.ui* need to be adapted: to the directory *..\CommonFiles\text*

Please note: If Creo is installed into the Windows default program directory, you should not make any changes with GENIUS TOOLS Starter App. Install Creo into another directory, for example *C:\ptc*.

3 GENIUS TOOLS Starter

GENIUS TOOLS Starter is the new configuration component of the Startup TOOLS for version 6.0 and later.

GENIUS TOOLS Starter is a separate software that can start local applications such as Creo Parametric using a central configuration, as well as synchronize data to the local computer.

You do not have to install GENIUS TOOLS Starter on the application computers. The clients only have to provide storage for the synchronized copies.

The local GENIUS TOOLS Starter App will update automatically from the central Caddepot directory.

The combination of a local application with a centrally-managed configuration is called a project. Whether a project is visible to a user is determined by the client setup as well as user permissions in GENIUS TOOLS Starter.

Example project contents

- Creo release
- Startkey
- *config.pro*
- *.iu
- Batch files
- Additional applications
- Files
- Drawing frames, symbols, UDF

All projects and data are managed within a operating environment. A operating environment corresponds to an individual Startup TOOLS installation from a prior version. You can now use any number of operating environments in parallel, for example to have a test and production environment.

GENIUS TOOLS Starter package

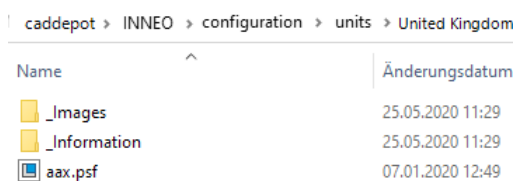
- GENIUS TOOLS Starter App. The GENIUS TOOLS Starter App is the interface for the user, who can start the projects configured by the administrator.
- GENIUS TOOLS Project Configurator. GENIUS TOOLS Project Configurator is the tool for the administrator for configuring projects that the user can then start using the GENIUS TOOLS Starter App.

- GENIUS TOOLS Environment Administrator. GENIUS TOOLS Environment Administrator is the tool for the administrator to manage operating environments.

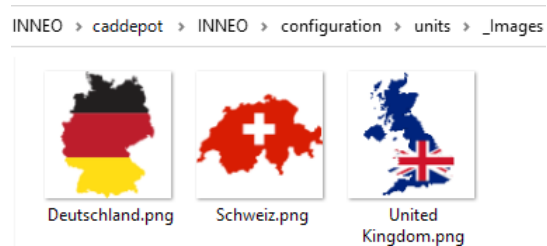
3.1 Important information

GENIUS TOOLS Starter: Copying of unit pictures to new Images folder necessary

The folder *_Images*, which contains images for the displaying a unit in GENIUS TOOLS Starter App, is no longer located below the respective unit (here: United Kingdom), but is as of version 8.0.0. located below the *units* directory and contains the images of all units. The PNG files have to be moved manually from the old to the new images folder.



Previous location in an individual unit (here: UK)



New location in the units directory

Different functionality depending on license type

Starting with version 6.0.1, perpetual licenses and subscription licenses come with different product functionality. The following functions will only be available with a subscription license.

The following functions are available with a subscription license for GENIUS TOOLS Starter.

Release	Subscription function / module	Description
6.0.1.0	Dynamic access to Windows user management with LDAP/Active Directory (lightweight directory access protocol)	Creates access to Windows user management and enables live queries so that user assignment is always up-to-date. Users thus do not have to be created and maintained manually. ⇒ Less maintenance work
6.0.1.0	Configuring units	Adds a group element ("unit") that can easily reflect

Release	Subscription function / module	Description
		<p>complex configurations such as for company sites and units.</p> <p>⇒ Easier configuration for companies with many sites and/ or units</p> <p>⇒ Allows for a reduction of projects</p>
6.0.1.0	Access to directory "users"	<p>Adds a group element ("users") that can easily reflect complex configurations for many users.</p> <p>⇒ Less maintenance work</p>
7.0.0.0	Selecting Creo startkey when starting a project	<p>Provides a project with a choice from several Creo startkeys (start command that opens Creo with a defined license package). Users can start a project with a default startkey or select another one when opening a project in GENIUS TOOLS Starter App.</p> <p>⇒ Allows the reduction of projects</p>
7.0.0.0	Apps projects	<p>Creates projects that run on any other program. Assigning a project directory and batch files is possible.</p> <p>⇒ GENIUS TOOLS Starter App can be made the central access point for users.</p>
7.0.1.0	Operating satellites in GENIUS TOOLS Starter Service	<p>Enables the connection of satellite servers to a main server and their automatic synchronization.</p> <p>⇒ Faster connection of user computers to a synchronized satellite server</p> <p>⇒ Reducing queries from network to main server</p>
7.0.1.0	Edit and compare config*.pro files.	<p>Release-dependent config.pro editor and graphic comparison tool</p> <p>⇒ Quick overview, comparison and editing of project-related config.pro files</p>

Release	Subscription function / module	Description
7.0.2.0	Company-specific project collections	Start projects can be put together in defined project groups by the administrator. ⇒ In many projects, these can be structured according to your own requirements.
8.0.0.0	Selectable project options	Projects can be started with multiple, individually defined config.pro building blocks, e. g. for license extensions or additional programs.

Warning: If you are using mixed licenses (perpetual and subscription) and configure functionality that is limited to subscription licenses, the projects in GENIUS TOOLS Starter App will no longer start if there is no subscription license available.

Environment variables for use in mapkeys (new feature in version 6.0.2.0)

Starting with version 6.0.2.0 variables in configuration files are resolved. This means mapkeys that use environment variables with path specifications do not function anymore.

We therefore introduced new variants of environment variables to which escape characters are added. This prevents the variables from being erroneously resolved in mapkeys and so their use can be continued in mapkeys and elsewhere. The new variables have the suffix `_ESCAPED`:

- GTS_DATA_ESCAPED
- GTS_ROOT_DIR_ESCAPED
- GTS_SERVER_DIR_ESCAPED
- GTS_SERVERONLY_DIR_ESCAPED
- GTS_PLOT_CONFIG_DIR_ESCAPED
- GTS_TRAIL_DIR_ESCAPED
- GTS_USER_CONFIG_DIR_ESCAPED
- GTS_UNIT_DIR_ESCAPED

Changes to the configuration concept starting with version 6.0.1.0

In Version 6.0.1.0 the way configuration files determine project settings has changed.

Configuration changes for all license types

All files that were previously used from the `..\configuration\projects` directory now have to be placed in the `..\configuration\standard` directory. This affects batch files (`start/stop*.bat`), Creo configuration files (`config_*.pro/sup; *.ui`), and GENIUS TOOLS for Creo configuration files (`*.cfg`).

All files under `..\configuration\projects` will be copied to `..\configuration\standard` when you update from version 6.0.0 or migrate from a 20xx version. The entry in the `gt_main.cfg` under `..\apps\gtfc\conf` will be set to `gt_conf_unit=%GTS_ROOT_DIR%\configuration\standard`.

Please note: Remember to check the `gt_main.cfg` after the update if you are not using a default installation.

Warning: Check your batch files for references to the directory `..\configuration\projects` and change them to `..\configuration\standard`.

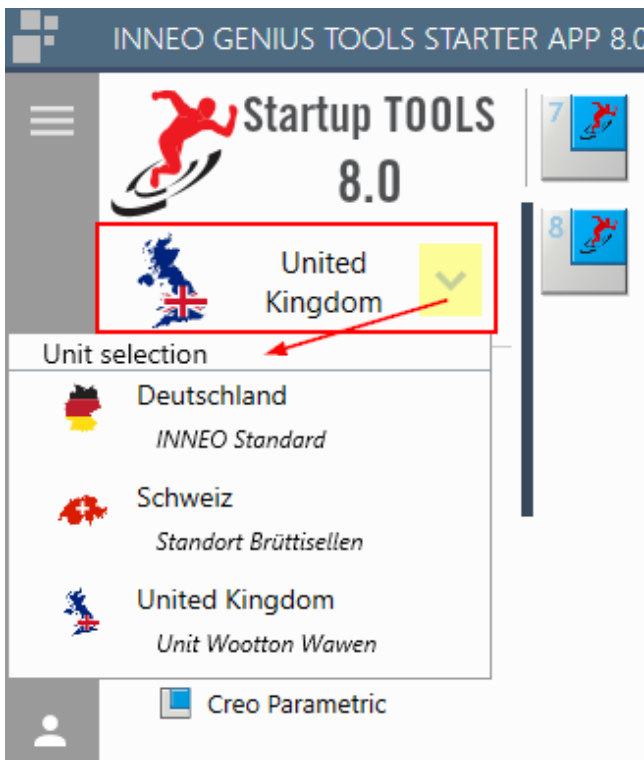
The directory structure of an operating environment will contain the following new directories.

<code>..\configuration\standard</code>	Purpose and content match the previous <code>..\configuration\projects</code> directory.
<code>..\configuration\units</code>	Can contain a subdirectory for each unit that houses additional batch and configuration files.
<code>..\configuration\users</code>	Can contain a subdirectory for each user (the directory name is the Windows user name) that houses additional batch and configuration files.

Configuration using units for subscription licenses

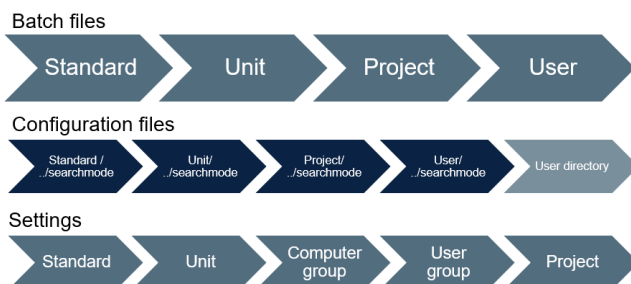
If you are using a subscription license, you can configure two additional layers for batch files and Creo configuration files: Units and Users. In larger installations, this makes it easier to configure different settings for different locations or business units.

A unit can be used to represent different concepts such as geographical or team assignment. If a user has access to multiple units, they can select their unit in the GENIUS TOOLS Starter App.



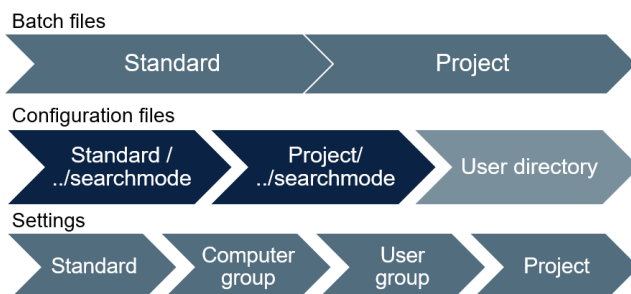
Unit selection

The following figure shows a schematic representation of the new configuration concept.



Configuration concept from 6.0.1

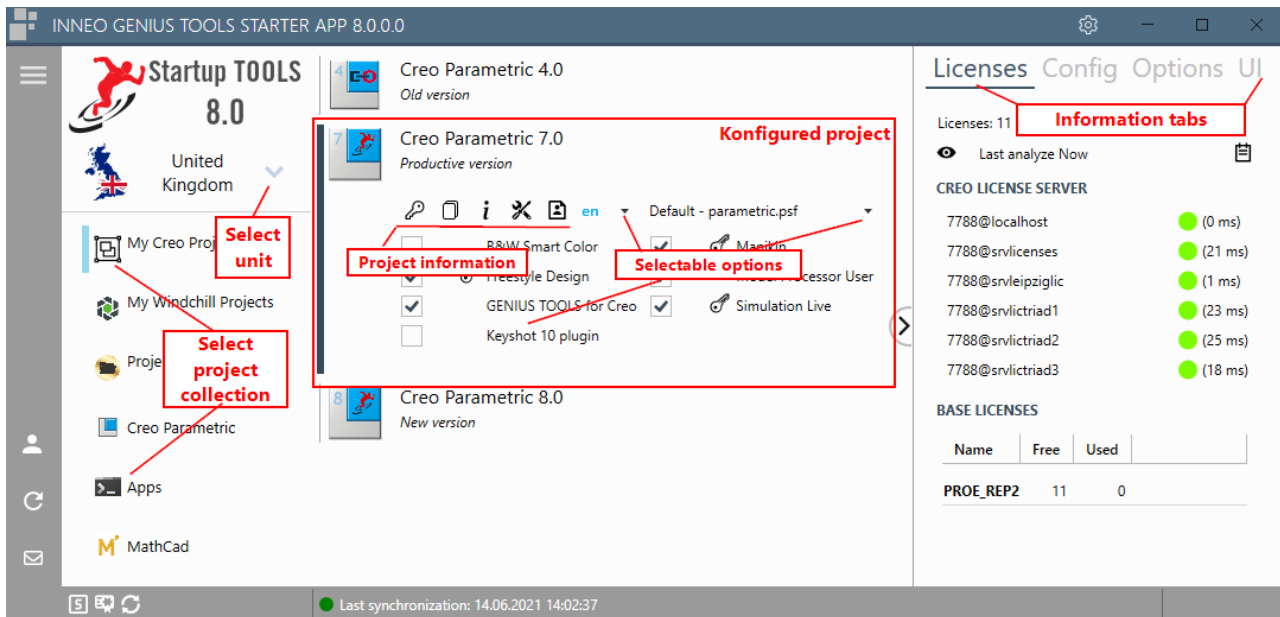
For reference, this is a schematic representation of the previous concept.



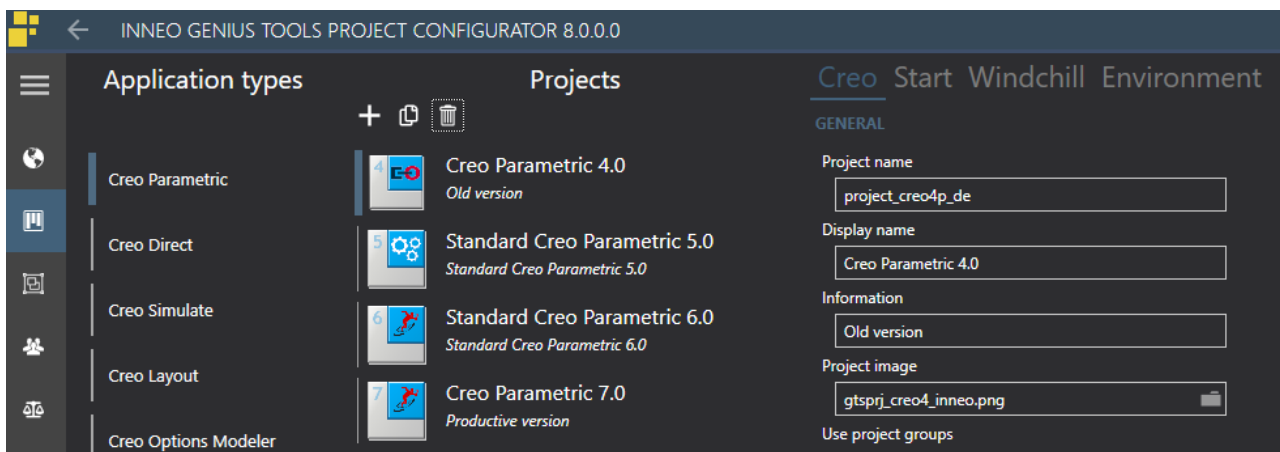
Configuration concept 6.0.0

3.2 New features in version 8

Geben Sie hier den Text ein.



GENIUS TOOLS Starter App in light design



GENIUS TOOLS Project Configurator in dark design

GENIUS TOOLS Starter Service: Password protection for website

You can protect the access of the website which displays status and content of all satellites with a password. To do so, enter the command `service.admin.pwd = passwordentry` in the configuration file of the main server. See chapter *Working with satellites* in the installation manual of GENIUS TOOLS Starter.

GENIUS TOOLS Starter: Location of Images folder has changed

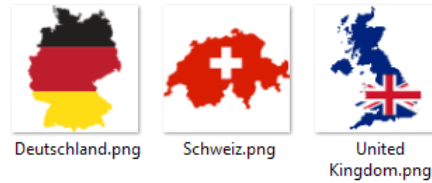
The folder `_Images`, which contains images for the displaying a unit in GENIUS TOOLS Starter App, is no longer located below the respective unit (here: United Kingdom), but is

now located below the *units* directory and contains the images of all units. The PNG files have to be moved manually from the old to the new images folder.

caddepot > INNEO > configuration > units > United Kingdom	
Name	Änderungsdatum
_Images	25.05.2020 11:29
_Information	25.05.2020 11:29
aax.psf	07.01.2020 12:49

Previous location in an individual unit (here: UK)

INNEO > caddepot > INNEO > configuration > units > _Images



New location in the units directory

4 GENIUS TOOLS for Creo

The following section contains information on news in GENIUS TOOLS for Creo.

4.1 Important information

License-dependent functions

The following functions are limited to subscription licenses for either GENIUS TOOLS Library or GENIUS TOOLS Parameter.

Release	Function / module	Description
7.0.0.0	Load Save Converter	<p>Converts Creo objects from previous Creo-, Wildfire- or Pro/ENGINEER versions to the currently used version.</p> <p>⇒ Using models from older Creo versions</p>
7.0.0.0	Inspect Revision	<p>Stores all versions of inspection symbols on a drawing. Easily creates an overview of a revision history. (DIN 6770)</p> <p>⇒ Revision history of inspection symbols</p>
7.0.0.0	Open Base Model	<p>Opens geometric base models that are reference sources for features with one click in the context menu of a feature.</p> <p>⇒ Efficient construction of models</p>
7.0.0.0	Extend Relations	<p>Adds functions to model relations that define parameters for models and – in Creo 7.0 – also for bodies.</p> <p>⇒ Efficient construction of models</p> <p>GT_UpdateBodyParamMaterial: Body parameter retrieves material parameter</p> <p>GT_CalculateBodyBoundingBox: Body parameter retrieves bounding box values</p>


Release	Function / module	Description
7.0.2.0		<p>GT_CalculateBoundingBox: Model parameter retrieves bounding box values</p> <p>GT_UpdateBodyParamMass: Body parameters are filled with body mass.</p> <p>GT_UpdateBodyParamVolume: Body parameters are filled with the body volume.</p>
7.0.1.0		<p>GT_DoubleToString: Rounds parameter values and converts the obtained numbers into strings.</p> <p>GT_Round: Rounds parameter values.</p>
8.0.0.0		<p>GT_UnitToString: function converts the unit of a parameter into strings.</p>
7.0.1.0	Select Surfaces By Color	<p>Surfaces of the same color can be selected with one click and be colored or otherwise modified thereafter.</p> <p>⇒ Efficient construction of models</p>
7.0.1.0	CS Assembler	<p>Automatically adds a number of components to an assembly by deploying a coordinate system (CS).</p> <p>⇒ Efficient construction of assemblies</p>
7.0.2.0	Extended Dimension Functions	<p>Model dimensions can be increased or decreased very quickly with the mouse in a defined increment in the graphics window.</p> <p>⇒ Efficient construction of models</p>
7.0.2.0	Copy Component Parameter To Substitution Component Parameter	<p>If a value has been assigned to a component parameter for a part in the master representation, this value can be copied to the component parameter for a simplified part.</p>
7.0.2.0	Toggle Symbol	<p>If a grouped symbol in the first level has variants, these</p>

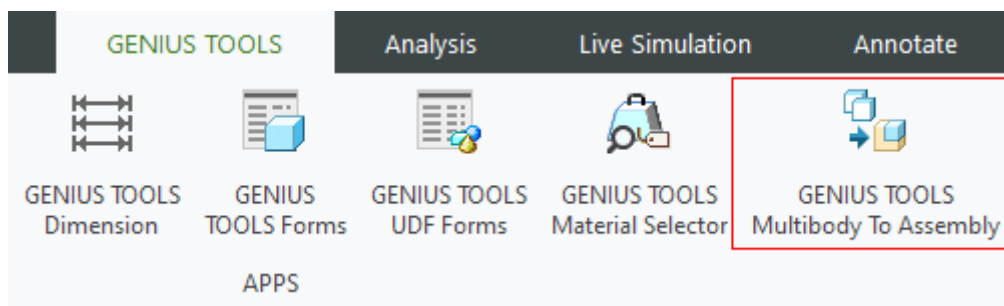
Release	Function / module	Description
	Variants	variants can be switched.

4.2 What's new in release 8

4.2.1 New component: Multibody to Assembly

This component allows you to transfer parts that have been created with bodies into an assembly structure. Every thus created part will include an external copy-geometry feature that references a body.

GENIUS TOOLS Multibody To Assembly  can be started in the APPS segment of the GENIUS TOOLS ribbon menu while in part mode.



Please note: The function GENIUS TOOLS Multibody To Assembly is only available with subscription licenses for GENIUS TOOLS for Creo.

4.2.2 GENIUS TOOLS Dimension

Body support

All functions of GENIUS TOOLS Dimension can now be applied to bodies. As of Creo 7.0 bodies are available as elements.

4.2.3 GENIUS TOOLS Forms

Automatic loading of external forms

If the selected or current model does not contain a form, but has a webcode, a new configuration option checks in a defined directory whether an external forms definition

(XML) exists whose name equals the content of the parameter WEBCODE. If this is the case, it is loaded into the model and the form is opened.

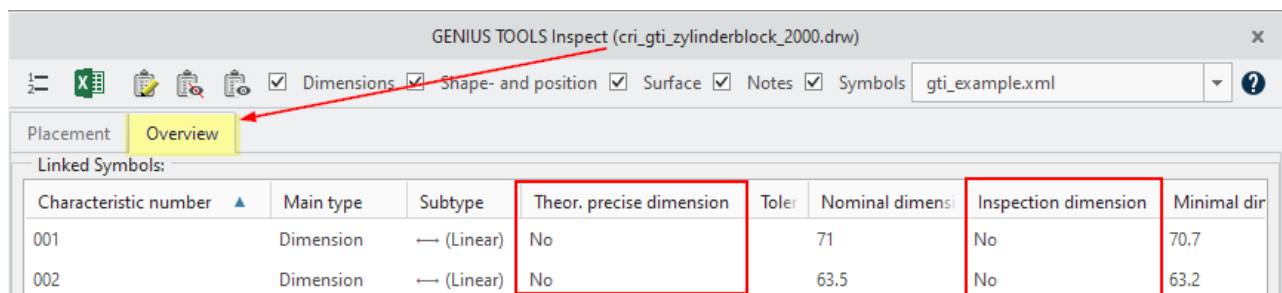
Other parameter names for reloading externally stored forms can also be specified in the `gtf_autoload_parameter` configuration option. The need for this may, for example, arise when you transfer models with old data such as models created with MUI – a tool of Startup TOOLS up to version 2018.

4.2.4 GENIUS TOOLS Inspect

Additional information for linked inspection symbols

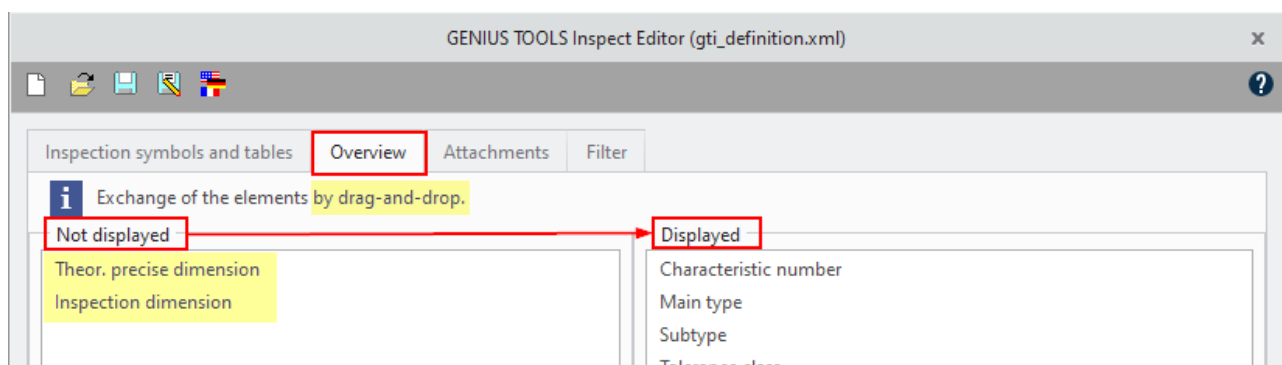
In the Overview tab two new columns containing information about all linked inspection symbols can be displayed:

- Theoretically precise dimension
- Inspection dimension



Characteristic number	Main type	Subtype	Theor. precise dimension	Toler	Nominal dimensi	Inspection dimension	Minimal dir
001	Dimension	↔ (Linear)	No		71	No	70.7
002	Dimension	↔ (Linear)	No		63.5	No	63.2

The two columns are turned off by default. They can be activated in the Inspect Editor in the Overview tab.



Altered column and window sizes are retained

After changing the size of individual columns, this size is retained when the window is opened again. This also applies to the size and position of dialog boxes.



Tooltip for long notes

In the Overview tab long notes are shortened and displayed completely in the tooltip.

Note	Tolerance standard	Sheet
Gewinde M2; 5 mm[...]		1
Gewinde M2; 5 mm tief; mit Deckel gebohrt		

Preview image in tooltip when positioning tables

In the Positioning tab a preview image is displayed in the tooltip in a size that corresponds to the size of the image provided. This allows to view large images in the tooltip, making the preview tables easier to read.

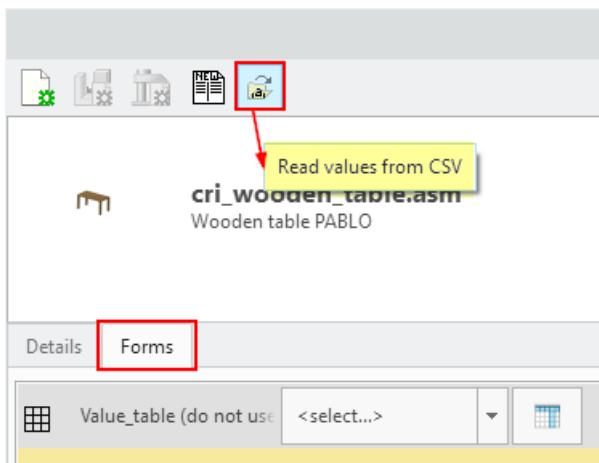
Preview	Name	Description
	inspect_long_DE	Inspection Report - long DE
	inspect_long_EN	Inspection Report - long EN

GENIUS TOOLS Inspect - Characteristics Report (long)														
No.	Sheet	Grid	Main Type	Sub Type	Nom. Dim.	Min. Dim.	Max. Dim.	Tol-Standard	Tol-Table	Tolerance	Parameter	Note	Description	Name of Inspection Feature
002	1	03	Dimension	Ø Diameter	45	44.7	45.3	ISO/DIN						DIN 8770
003	1	01	Dimension	Ø Diameter	80	79.97	80	ISO/DIN	Shaft	h7				DIN 8770
006	1	04	Note									break edge	before coloring	DIN 8770
007	1	01	Shape and position	Concentricity							0.2 = 0.2 (0.1) = 0.1			DIN 8770


4.2.5 GENIUS TOOLS Library

Loading CSV data from Forms and UDF Forms

If a part contains forms or UDF forms the function for reading CSV data can be opened from the detail window in the Forms tab.




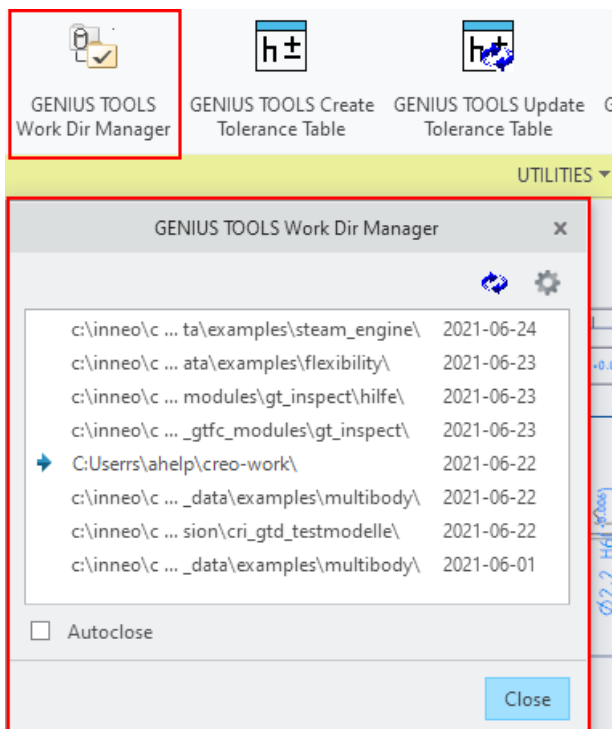
New action: Copy to production assembly

A manufacturing assembly (MFG file) can now also be copied in addition to the "Open" action. The MFG file is copied to the current working directory under a new name. In GENIUS TOOLS Library Editor the action is activated under *Object details* > *Actions* with the copy icon .

4.2.6 GENIUS TOOLS Utilities


New function: Work Dir Manager

With GENIUS TOOLS Work Dir Manager you can change the current working directory quickly. The function collects all used directories (outside of WT PDM) automatically during the regular working process. The button  is found in the segment UTILITIES in the GENIUS TOOLS ribbon menu.



Please note: GENIUS TOOLS Work Dir Manager is only available with subscription licenses for GENIUS TOOLS for Creo.

New function: Full Backup

This functions allows you to quickly save a model with all corresponding files. The function collects all referenced files and informs about missing ones. The Full Backup button  is found in the segment UTILITIES in the GENIUS TOOLS ribbon menu.

Please note: GENIUS TOOLS Full Backup is only available with subscription licenses for GENIUS TOOLS for Creo.

Open/create drawing: Use WT number generator

The number generation for drawings can now be defined as follows:

- in addition to the model name, extensions can be specified by variables, e.g.
`gtu_ord_drw_name=$$repl$mo-$dw-$mdlname$$`
- the Windchill number generator can be used for creating a new drawing. To do so, keep the entry of the configuration option `gtu_ord_drw_name` empty.

Extended Dimensions: New functions

The following functions were added to the tool: *Round to the digit of the selected step size (1)* and *Regenerate model (2)*.



Please note: GENIUS TOOLS Extended Dimension Functions are only available with subscription licenses for GENIUS TOOLS for Creo.

Create Tolerance Table: Number of decimal places and displaying a comma

With the configuration option `gtu_tol_table_tolerance_minimal_pending_zeros` you can define the number of decimal places for numerical values in the column *Tolerance*. Default is 2.

Entries:

0: No decimal places are displayed.

1...9: Number of decimal places. The last digit will be rounded if necessary.

-1: Decimal places are shown without alteration, i. e. no zeros are added.

With the configuration option `gtu_tol_table_decimal_marker_follow_dtl` you can change the representation of numerical values from period to comma as decimal separator. Default is 1.

Entries:

0: Period as separator for decimal places.

1: Reads the DTL file. If the DTL option `decimal_marker = = COMMA` is set, the separator is changed from period to comma. If `decimal_marker=period` or not set, numbers will be displayed with a period.

Extended Relations: New function

GT_UnitToString: function converts the unit of a parameter into strings. Example:

```
MASS_UNIT = GT_UnitToString("MASS")
```

Extend Relationships adds further functions to the model relationships that can be used to create parameters for models and - with Creo 7 - for bodies and ensures that the values are always up-to-date. The extended functions can be found in the *Creo Tools > Relationships dialog* under *Functions*.

Please note: GENIUS TOOLS Extended Relations is only available with subscription licenses for GENIUS TOOLS for Creo.

4.2.7 Input behavior

The following entries can now be confirmed with Enter:

- input of user variables
- input of the OnChange function in GENIUS TOOLS Forms: Under Functions, an OnChange function has so far been executed manually by exiting the input field and can now also be executed by pressing Enter.

4.3 Configuration options

The following configuration options have been added, changed or deleted since version 6.0.2.

4.3.1 New configuration options (8.0.0.0)

GENIUS TOOLS Forms

gtf_autoload_parameter

Defines the parameter whose value should be used to post load externally saved forms.
Default: WEBCODE

gtf_autoload_folder

Defines the folder that would be searched for the XML file based on the value of `gtf_autoload_parameter`.

gtf_autoload_overwrite

Defines, whether an external form should be searched only if no internal form exists (0), or always (1). Default: 0

gtf_auto_replace_comma_for_float_values

Defines, whether GENIUS TOOLS Forms also accepts numerical inputs with comma (,) as decimal separator (1) or not (0). Default: 1

GENIUS TOOLS Library

gtl_copy_remove_wt_templates_from_ws

Defines, whether the template for copying should be removed from the workspace (only Windchill) after the copy process (1) or not (0). Default: 0

GENIUS TOOLS Multibody To Assembly

gt_start_multibody_to_assembly

Defines whether GENIUS TOOLS Multibody To Assembly can be started by users (1) or not (0). Default: 1

gtmba_gtngc_name_rule

Defines the rule for generating names for bodies. @number@ = generated name, @oldname@ = name of the body or the current part. Default: @number@@oldname@

gtmba_gtngc_filter

Limits the name configurations from GENIUS TOOLS Name Generator. If only one result remains, this name configuration is automatically used.

gtmba_start_model_dir

Defines the full path to the directory containing start parts and assemblies. Options: Path or name of directory. Default: %start_model_dir%

gtmba_template_solidpart

Defines the model used as the default part template. Options: Path or name of directory. Default: %template_solidpart%

gtmba_template_designasm

Defines the model used as the default assembly template. Options: Path or name of directory. Default: %template_designasm%

gtf_open_with_selected_model

Defines whether the current model (0) or the selected model (1) should be used in the start of GENIUS TOOLS Forms. Default: 1

GENIUS TOOLS Utilities: Create Tolerance Table

gtu_tol_table_tolerance_minimal_pending_zeros

Defines the number of decimal places for the values in the column *Tolerance*.

Entries:

0: No decimal places are displayed.

1...9: Number of decimal places. The last digit will be rounded if necessary.

-1: Decimal places are shown without alteration, i. e. no zeros are added.

gtu_tol_table_decimal_marker_follow_dtl

Reads the DTL file (1) or not (0). If the DTL option `decimal_marker == COMMA` is set, the representation of numerical values will be changed from period to comma as decimal separator. Default is 1

GENIUS TOOLS Utilities: Extend Relations

gtu_relationextension_unitToString

Defines whether the converting command *GT_UnitToString* is available in the relations (1) or not (0). Default: 1

gtu_relationextension_round

Defines whether the rounding command *GT_Round* is available in the relations (1) or not (0). Default: 1

gtu_relationextension_doubleToString

Defines whether the rounding command *GT_DoubleToString* is available in the relations (1) or not (0). Default: 1

GENIUS TOOLS Utilities: Open/Create Drawing

gtu_ord_drw_name

Defines the name of the drawing that should be created or opened. The use of variables is possible. If the entry is left empty, the WT number generator will be used. Default:

@mdlname@

GENIUS TOOLS Utilities: Work Dir Manager

gtu_start_work_dir_manager

Defines, whether GENIUS TOOLS Work Dir Manager can be started by users (1) or not (0). Default: 1

gtu_work_dir_manager_save_path

Defines the path for system files. Default: %appdata%\INNEO\GENIUS_TOOLS\for_Creo\work_dir_manager\

gtu_work_dir_manager_autodelete_after_days

Defines the number of days until paths get deleted from list. Default: 1

gtu_work_dir_manager_first_chars

Defines the number of characters from left side to shorten the path for display. Default: 10

gtu_work_dir_manager_last_chars

Defines the number of characters from right side to shorten the path for display. Default: 25

4.3.2 Altered configuration options (8.0.0.0)

GENIUS TOOLS Library: New default setting for tab

gtl_detail_window_preselected_tab = 2

The default tab that opens in the detail window of GENIUS TOOLS Library is now *Forms* (2) instead of *Details* (0).

GENIUS TOOLS Inspect: New default settings

The default settings for the following options has changed from 1 to 0. All options are controlled by the option `gti_din_compliant = 1`.

gti_number_sort_at_height = 0**gti_number_sort_at_type = 0****gti_numbering_all_sheets = 0**

4.4 Copyright

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