

GENIUS TOOLS[®] 

for Creo

Release 7.0.2.0

News

© 2021 INNEO Solutions GmbH



1	Important information	2
2	New features in version 7	4
2.1	GENIUS TOOLS Inspect	5
2.2	GENIUS TOOLS Library	6
2.3	GENIUS TOOLS Material	8
2.4	GENIUS TOOLS Parameter	12
2.5	GENIUS TOOLS UDF Forms	12
2.6	GENIUS TOOLS Utilities	12
2.7	Embedded Data	20
2.8	Java Script Editor	20
3	Configuration options	21
3.1	New configuration options (7.0.0.0)	21
3.2	New configuration options (7.0.1.0)	23
3.3	New configuration options (7.0.2.0)	24
4	Copyright	26

1 Important information

License-dependent functions

Starting with GENIUS TOOLS for Creo 6.0.1, the product functionality depends on the type of license you are using.

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> <p>GT_CalculateBoundingBox: Model parameter retrieves bounding box values</p>

Release	Function / module	Description
7.0.2.0		<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>
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 Variants	<p>If a grouped symbol in the first level has variants, these variants can be switched.</p>

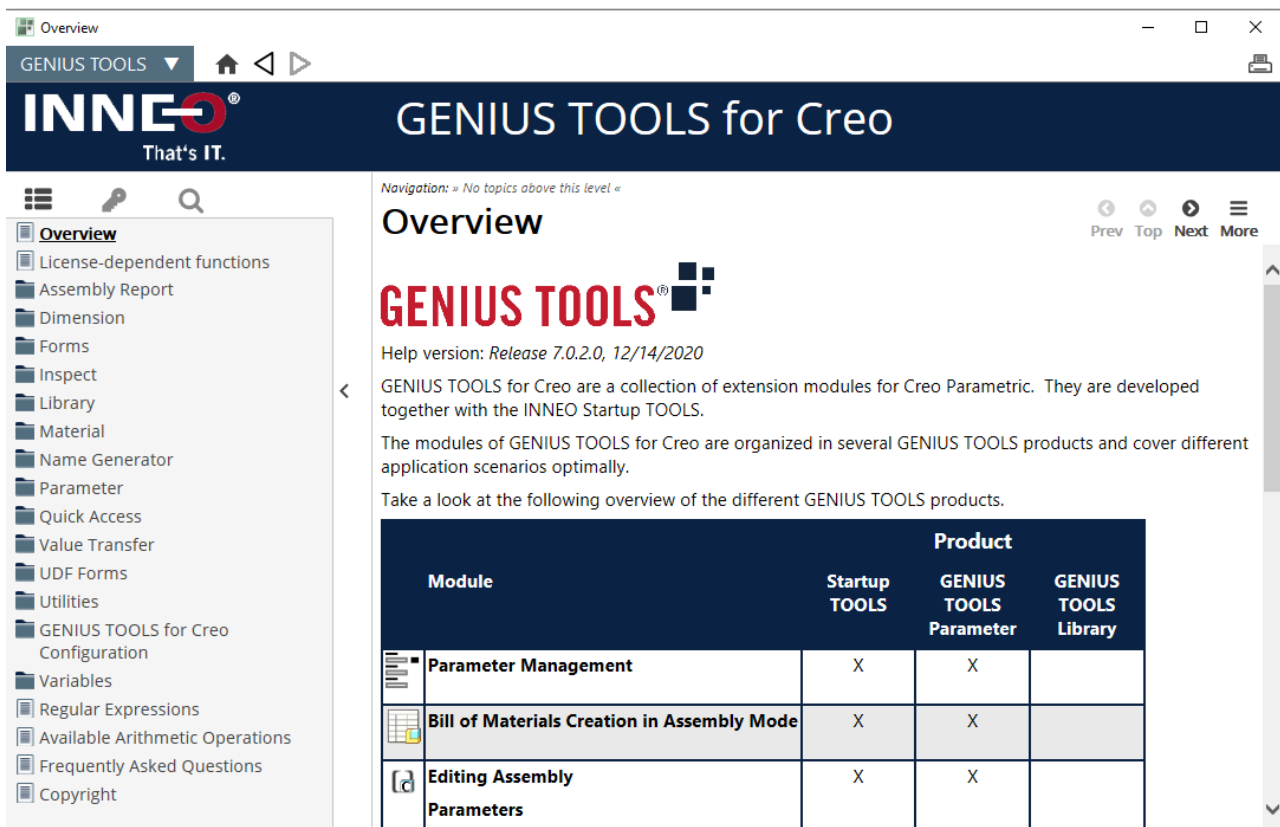
2 New features in version 7

Program help: New format (7.0.2.0)

We have modified the internal program help for all components of GENIUS TOOLS for Creo. Instead of numerous separate HTML files which are displayed in a web browser, there is now only a single compact file that runs without any browser application. The new single file is a self-running Windows EXE file (*gtfc_help.exe*) that contains both the publication data files as well as the application *eWriter Viewer*. This is a software from EC Software, the maker of the publishing software Help+Manual, which we have long used for publishing our help.

This format change reduces the time needed to synchronize data since the number of files falls from over 2,000 to just one.

Each call from the program to the help is displayed in the same window. The design is very similar to the familiar program help.



Navigation: » No topics above this level «

Overview

GENIUS TOOLS®

Help version: Release 7.0.2.0, 12/14/2020

GENIUS TOOLS for Creo are a collection of extension modules for Creo Parametric. They are developed together with the INNEO Startup TOOLS.

The modules of GENIUS TOOLS for Creo are organized in several GENIUS TOOLS products and cover different application scenarios optimally.

Take a look at the following overview of the different GENIUS TOOLS products.

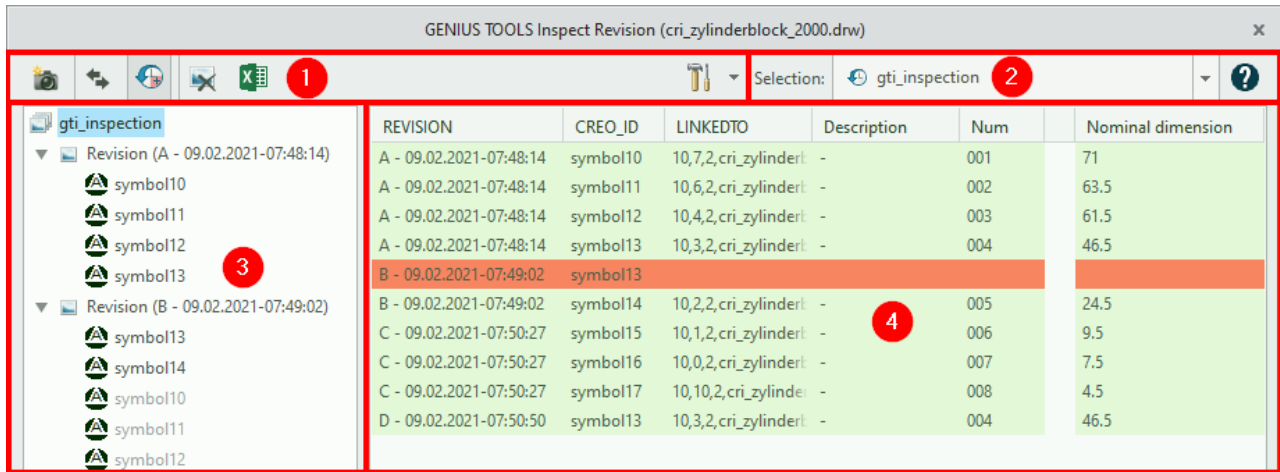
Module	Startup TOOLS	Product	
		GENIUS TOOLS Parameter	GENIUS TOOLS Library
Parameter Management	X	X	
Bill of Materials Creation in Assembly Mode	X	X	
Editing Assembly Parameters	X	X	

Program help in the new eWriter format

2.1 GENIUS TOOLS Inspect

New component: GENIUS TOOLS Inspect Revision (7.0.0.0)

GENIUS TOOLS Inspect Revision allows you to create a snapshot of all inspection symbols on a drawing at a given time. Using a drawing revision parameter you can define the revision level of a drawing and generate a history of all revisions. Revision histories can be exported to Excel.



REVISION	CREO_ID	LINKEDTO	Description	Num	Nominal dimension
A - 09.02.2021-07:48:14	symbol10	10,7,2,cri_zylinderb	-	001	71
A - 09.02.2021-07:48:14	symbol11	10,6,2,cri_zylinderb	-	002	63.5
A - 09.02.2021-07:48:14	symbol12	10,4,2,cri_zylinderb	-	003	61.5
A - 09.02.2021-07:48:14	symbol13	10,3,2,cri_zylinderb	-	004	46.5
B - 09.02.2021-07:49:02	symbol13				
B - 09.02.2021-07:49:02	symbol14	10,2,2,cri_zylinderb	-	005	24.5
C - 09.02.2021-07:50:27	symbol15	10,1,2,cri_zylinderb	-	006	9.5
C - 09.02.2021-07:50:27	symbol16	10,0,2,cri_zylinderb	-	007	7.5
C - 09.02.2021-07:50:27	symbol17	10,10,2,cri_zylinderb	-	008	4.5
D - 09.02.2021-07:50:50	symbol13	10,3,2,cri_zylinderb	-	004	46.5


User interface of GENIUS TOOLS Inspect Revision

Please note: GENIUS TOOLS Inspect Revision is only available with a subscription license for GENIUS TOOLS for Creo.

GENIUS TOOLS Inspect Editor: Name of configuration file limited to 18 characters (7.0.0.0)

The name of the XML configuration file must not exceed 18 characters. Any configuration file that has been manually created with a longer name cannot be opened by GENIUS TOOLS Inspect. Older files with longer names have to be renamed manually.

GENIUS TOOLS Inspect Revision: Show complete state (7.0.2.0)

There is a new button  in the command bar that displays all existing inspection characteristics at the time of the respective snapshot.

2.2 GENIUS TOOLS Library

Compacting database (7.0.0.0)

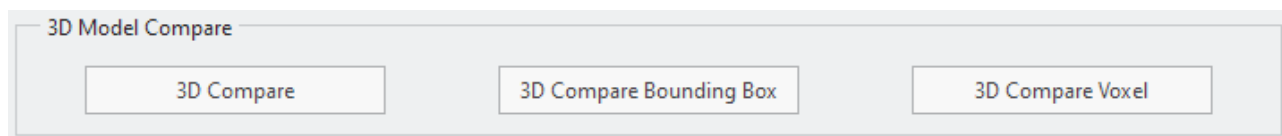
In GENIUS TOOLS Library Editor you can compact the active database by clicking on the broom icon (clean up).

Changing image sizes (7.0.0.0)

The default sizes set for images in the object display (40 pixel) and the details window (100 pixel) can be changed with the configuration options `gtl_img_switch_size` and `gtl_img_detail_size` respectively.

3D Search (7.0.1.0)

If the selected library contains 3D-indexed objects, the section *3D Model Compare* for searching for 3D-like objects appears in the dialog box of the Advanced Search.





Section "3D Model Comparison" in the Advanced Search dialog


The search buttons correspond to the search operators *mdl3d*, *mdl3d_bb* or *mdl3d_vo* which you can alternatively enter directly in the search field.

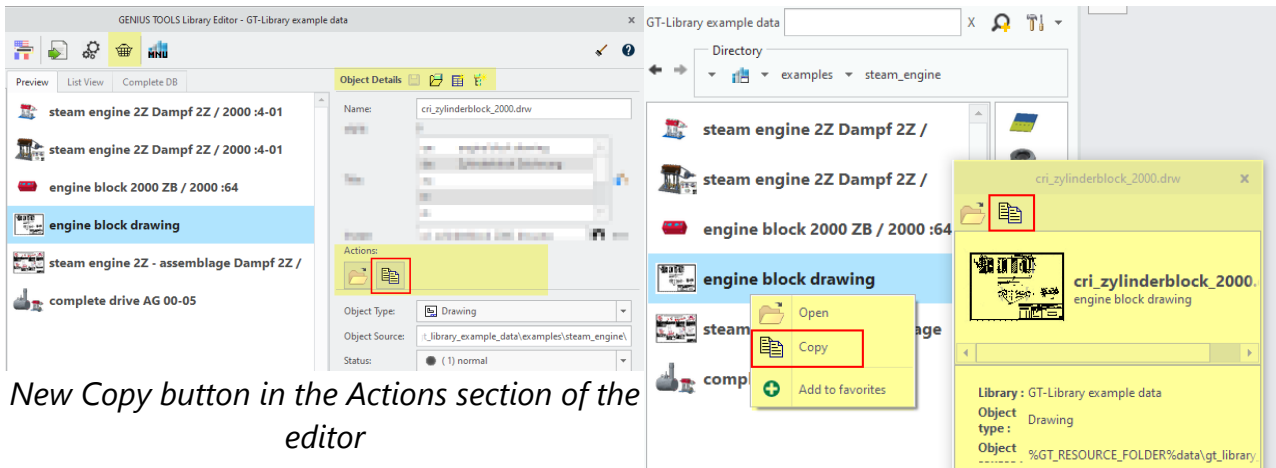
Objects are indexed in GENIUS TOOLS Library Editor in the *Batch Mode* dialog.

New function: Copy drawings (7.0.2.0)

Drawings can be copied independently of the model. The function opens GENIUS TOOLS Name Generator and copies the drawing under a new name into the current working directory. The copy is opened in Creo.

To activate the function, click the *Copy* button  in the Library Editor – either in the *Object Details > Actions* for individual objects or in the *Object Collector* dialog  for multiple objects. This makes the action available in the details window and in the context menu of a drawing.

As with copying models, other drawings can also be copied. These are edited in the list of models to be copied with the  button.

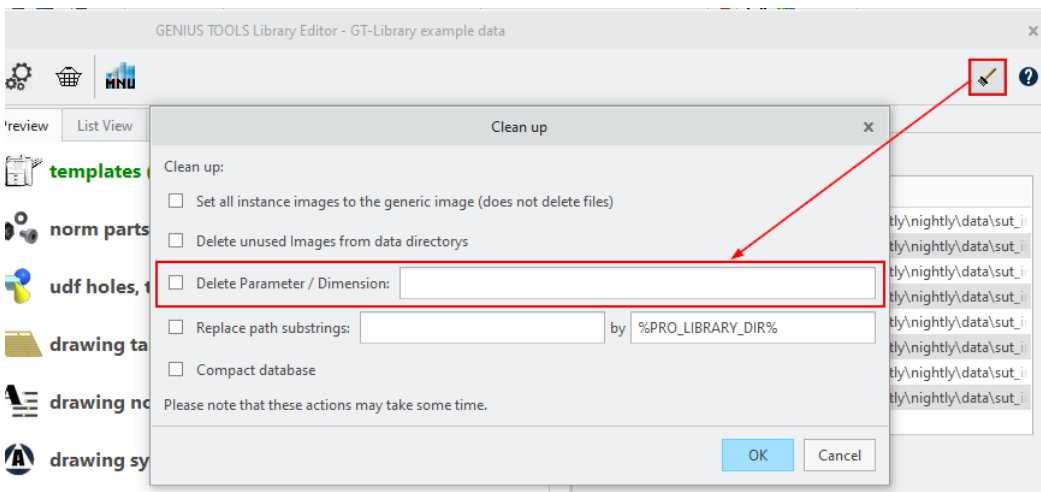


New Copy button in the Actions section of the editor

Display in the context menu (left) and the detail window (right) of an object

Library Editor: Delete parameter / dimension in database (7.0.2.0)

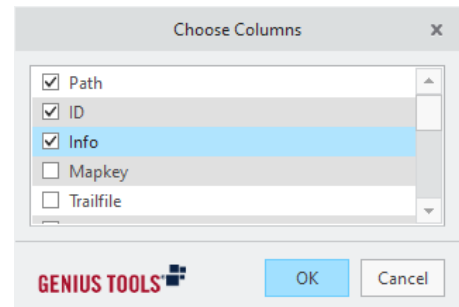
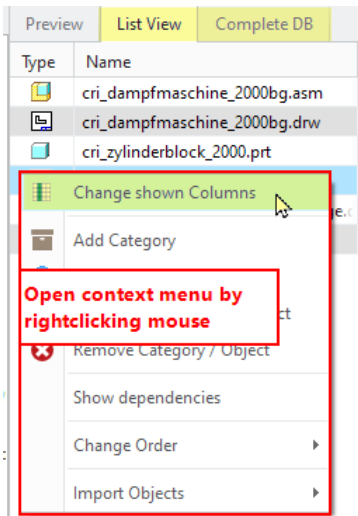
In the dialog *Cleanup data* of the Library Editor the action *Delete parameter / dimension* has been added. This deletes parameters and dimensions **from all models** in the database. It can be used to delete e. g. incorrect parameters or dimensions. Deleted data cannot be recovered.



Library Editor: easier selection and saving of display columns (7.0.2.0)

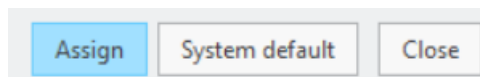
You can now select the column view in the List View and All Objects tabs by checking the corresponding checkboxes (instead of pressing the Control key). The selected columns are now automatically saved for the next Creo session.

The function can be found in the context menu of the category view under *Change displayed columns*.



2.3 GENIUS TOOLS Material

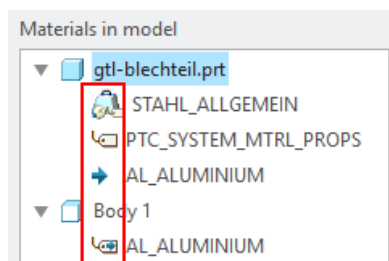
New System default button (7.0.0.0)



The dialog box GENIUS TOOLS Material Selector Editor has a new function: *System default*. This function means:

- for parts: assigning the system material,
- for bodies: inheriting the assigned/ active material (master) from the part.

Message icons displayed next to all materials (7.0.0.0)



GENIUS TOOLS Material Selector: Icons that show the status and the results of a material check are displayed next to all material names in a model in the left segment of the dialog box GENIUS TOOLS Material Selector.

Subdirectories of material directory are included when uploading into database (7.0.0.0)


GENIUS TOOLS Material Selector Editor: When loading material files (MTL files) from the material directory into the database *material.db* subdirectories are also copied thus preserving the structure of the directory. This reduces loading time.

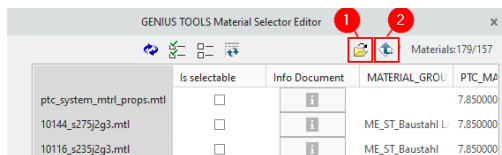
When loading MTL files from Windchill into a temporary file for editing, subdirectories are also preserved. The path to a material directory must be set to a windchill directory, e. g. *wtpub://\$SUT_WCSRVNAME/Bibliotheken/materialien*.

Editing MTL files in Windchill (7.0.0.0)

Material files (MTL files) in Windchill, which were edited in a temporary folder, can be uploaded into the workspace. There is a new button for this action in GENIUS TOOLS

Material Selector Editor: *Upload edited files*  (2).



For editing MTL files faster the new button *Open temporary folder*  (1) has been introduced.

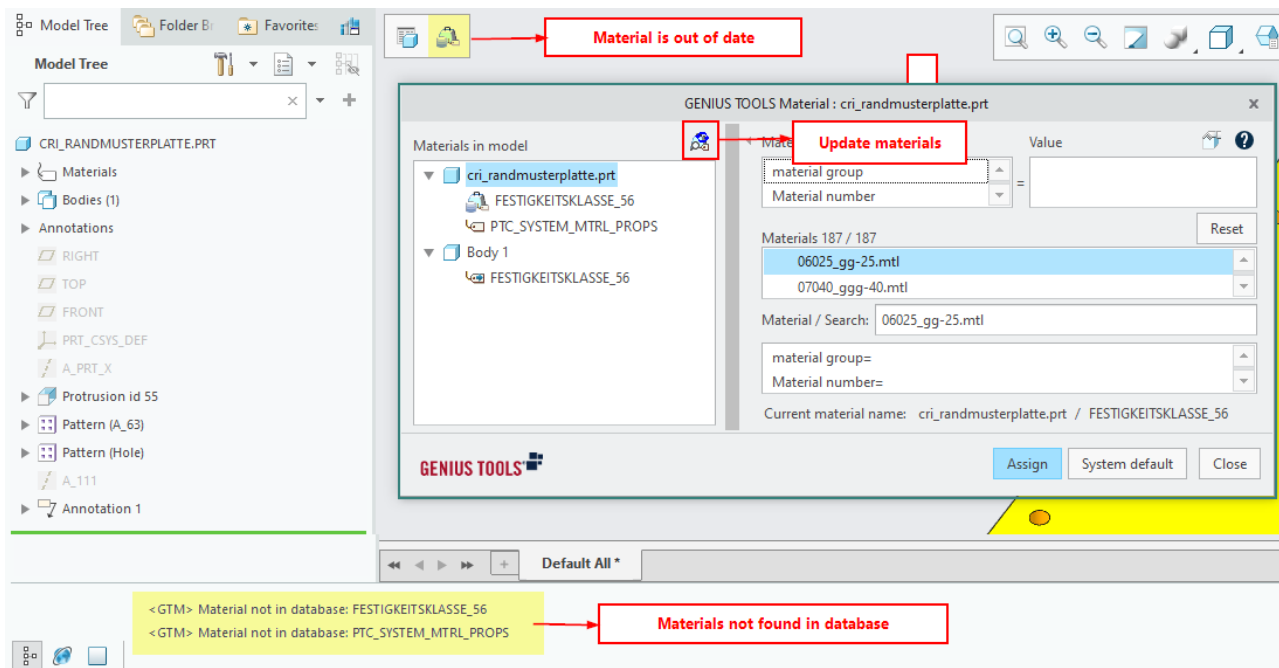


Material check only for currently assigned material (7.0.0.0)

The configuration option `gtu_ui_change_check_only_current_material` was renamed to `gtu_ui_change_check_material_check_only_current_material`.

Update materials (7.0.2.0)

If there are outdated materials in the model, the button  appears in the material selector. This function searches the material database for MTL files of the same name with a newer revision and automatically assigns these newer material files. Check whether the update was successful: If the assigned material was not found in the database, this will be visible in the main window by the  icon as well as in the Creo message bar.




Materials cannot be updated if they are not in the database

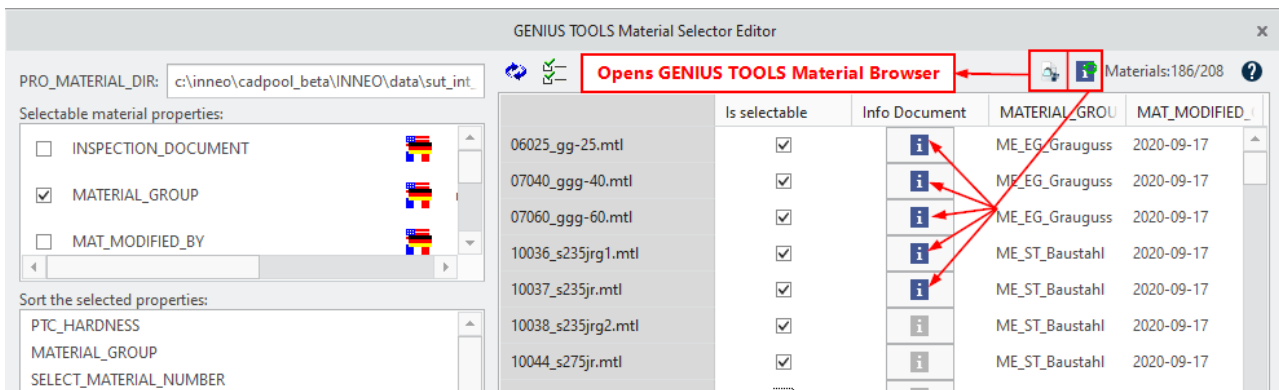
If you want to exclude certain materials from the update function, list the material names without file extension in the configuration option `gtm_exclude_material_from_update_all`. This can be important for materials with variable density or for free materials.

Assigning an existing material (7.0.2.0)

If you want to assign a material that already exists in a part, you can click on the desired material in the model display on the left. This selects it in the material list on the right, hence, you do not have to search for the material in the material list. Proceed by assigning the material to the part as standard/master material or to a body by clicking the *Assign* button.

New function in Material Selector Editor: Edit material files simultaneously (7.0.2.0)

You can now edit all material files (MTL files) directly via the Material Selection Editor at the same time, i.e. without opening each individual file. The button  opens the separate freeware application GENIUS TOOS Material Browser and displays all files in the material directory.




The button is displayed if GENIUS TOOLS Material Browser is installed and the path to the executable file *GT_Material_Browser.exe* is set correctly in the configuration option *gtm_editor_material_browser_path*.

From version 1.0.4.0 GENIUS TOOLS Material Browser opens the material directory in which they work. For older versions, the material directory must be entered manually.

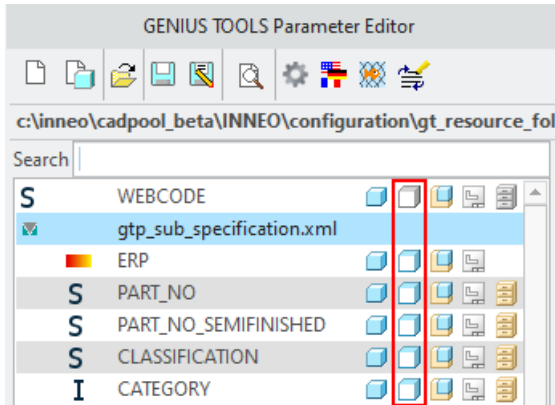
Information about the Material Browser can be found in the program in the help icon (1). The freeware can be downloaded free of charge from the download area of the Inneo website. (<https://www.inneo.de/de/services/technischer-support/genius-tools-downloads.html>)


New function in Material Selector Editor: Automatically add info documents to materials (7.0.2.0)

The button  automatically loads all available information documents into the Material Selector Editor. The function searches for all documents whose name corresponds to the name of any material file. This function searches for documents of all file types in a specific folder. The path to this folder is set by the configuration option *gtm_infoDoc_folder*. (Default: %gt_resource%\material\info).

2.4 GENIUS TOOLS Parameter

Bodies: Support of new element (7.0.0.0)



In Creo 7.0 a new element has been added: "body" with the icon . GENIUS TOOLS Parameter supports the new element so that parameters can be assigned to bodies.


2.5 GENIUS TOOLS UDF Forms

Bodies as placement reference (7.0.0.0)

In Creo 7.0 features can be assigned to bodies. User-defined features created in Creo 7.0 can include bodies as placement references. Bodies can be selected as placement references in GENIUS TOOLS UDF Forms.


2.6 GENIUS TOOLS Utilities

New function: Open base model (7.0.0.0)

This function allows you to quickly open geometric base models that are reference sources for features. The function *GENIUS TOOLS (GT) Open Base Model*  can be found in the context menu – which opens when right-clicking – on all features that have a reference source.


Please note: The function GENIUS TOOLS Open Base Model is only available with subscription licenses for GENIUS TOOLS for Creo.

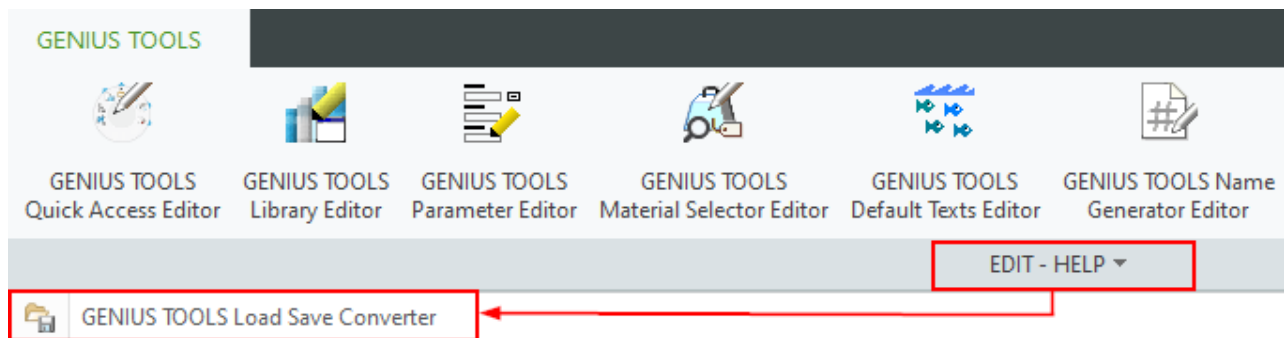
New function: Select Surface by Color (7.0.0.0)

Use this function to select surfaces of the same color or uncolored surfaces. Selected surfaces are highlighted in the model and can thus easily be given a new color or be otherwise modified. The button  for GENIUS TOOLS Select Surfaces by Color is available in part mode in the segment UTILITIES in GENIUS TOOLS ribbon menu.

Please note: GENIUS TOOLS Select Surfaces by Color is only available with subscription licenses for GENIUS TOOLS for Creo.


New function: Load Save Converter (7.0.0.0)

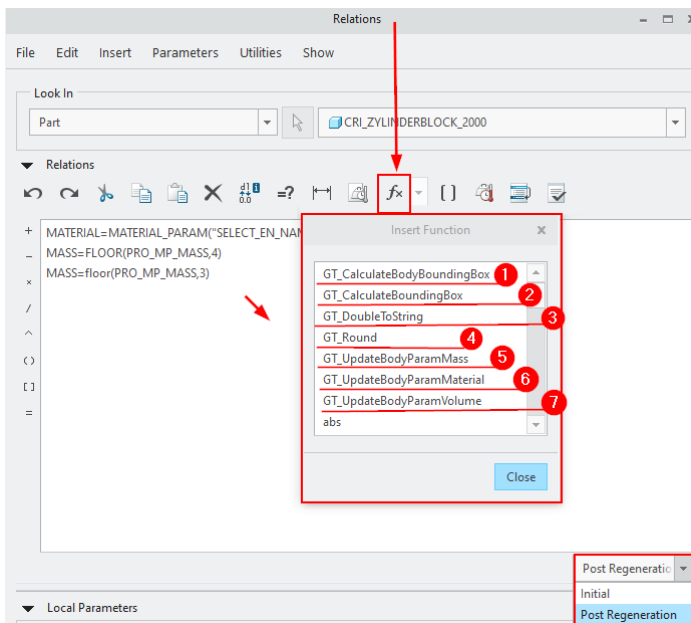
This functions allows you to convert objects, which have been created in older version of Creo, Wildfire or Pro/engineer, into the currently used Creo version. Also, you can convert to the student format or – if the necessary licenses are available – from student format to the current Creo version. The function Load Save Converter  is found in Creo standby mode in the segment EDIT-HELP in the GENIUS TOOLS ribbon menu.



Please note: GENIUS TOOLS Load Save Converter is only available with subscription licenses for GENIUS TOOLS for Creo.

New function: Extend Relations (7.0.0.0)

With the Extend relations function you can add relations that define parameters for models and – in Creo 7.0 – also for bodies. The additional functions are listed in the *Insert Function* dialog which opens with the functions button  in Creo's *Relation* dialog in part and assembly mode.



1. **GT_CalculateBodyBoundingBox()**

This parameter generates the values of a bounding box for each body in a model.

2.

GT_CalculateBoundingBox("BodyParameter")

This parameter generates the values of the bounding box of the model.

3.

GT_UpdateBodyParamMaterial("BodyParameter", "MaterialParameter")

This is a parameter on a body that generates the values of the material parameter of the body's material.

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

CS Assembler: changed default settings (7.0.0.0)

CS Assembler is a tool for automatically adding a number of components to an assembly. The name of the default coordinate system has changed in the configuration option `gtu_csassembler_component_cs_name` from `PRT_CS_DEF` to `PLACEMENT_CS`.

CS Assembler: Configuring coordinate systems (7.0.0.0)

There are two new configuration options – one for multi level assembly and one for maximum number of assembling coordinate systems.

gtu_csassembler_multi_level

Defines whether coordinate systems from newly assembled components should be used as target coordinate system inside the same assemble task (1) or not (0). Standard: 1

gtu_csassembler_maximal_cs_count

Defines the maximal number of coordinate systems that can be assembled into a model. Default: 5000

Export Points: Creating template for export file (7.0.0.0)

In the *Options* tab of GENIUS TOOLS Points there is a new checkbox for customizing the output file by using a template. The output format is a DAT file.

Options	
Use Template:	<input type="checkbox"/>
Write ijk:	<input type="checkbox"/>
Precision:	<input type="text" value="15.6"/>

You can set up a template by defining the following configuration options:

gtu_points_write_use_template

Defines whether a template should be used for outputting points values to a DAT file (1) or not (0). Presets the checkbox *Use templates* in the *Options* tab in GENIUS TOOLS Points. Standard: 0

gtu_points_write_template_names

Defines whether names should be written to the output file. Default: 0

gtu_points_write_template_header

Defines a header for the DAT file.

gtu_points_write_template_footer

Defines a footer for the DAT file.

gtu_points_write_template_names_fill_up_length

Fills up the name to a defined number of characters. Default: 20

gtu_points_write_template_line_left

Defines the start of a line in the DAT file.


gtu_points_write_template_line_right

Defines the end of a line in the DAT file.

gtu_points_write_template_names_split

Replaces the defined string in the file name by a space character: Default: _

Select surfaces by color: Select quilts (7.0.1.0)

The function *Select Surfaces by Color* now also allows you to select colored quilts. Selected quilts are highlighted in the model and can thus easily be recolored or be otherwise modified. The button  for GENIUS TOOLS Select Surfaces by Color is available in part mode in the segment UTILITIES in GENIUS TOOLS ribbon menu.

Please note: GENIUS TOOLS Select Surfaces by Color is only available with subscription licenses for GENIUS TOOLS for Creo.

CS Assembler: Component coordinate system can be defined in XML file (7.0.1.0)

A target coordinate system, which is needed to add parts to an assembly, can in addition to the component parameters *CLASSIFICATION* and *SUBTYPE* now also be identified by an entry in the XML file that contains the assembling instructions. The name of the coordinate systems has to be given to the attribute *ics_name* in the XML file.

This provides several possibilities to find a coordinate system. The combinations of attributes which are allowed are:

`classification` and `subtype`

`classification` and `ics_name`

Do not simultaneously use `classification`, `subtype` and `ics_name`.

Extend relations (7.0.1.0)


There are two new functions which extend relations.

GT_DoubleToString

Function rounds parameter values according to IEEE 754 and converts the received numbers into strings.

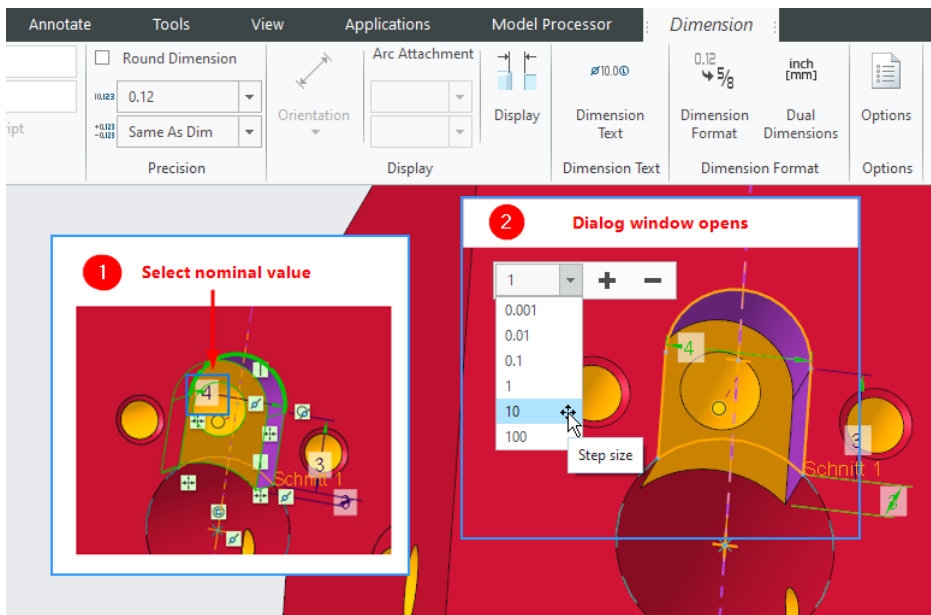
GT_Round

Function rounds parameter values commercially and converts the received numbers into strings.

The functions are listed in the *Insert Function* dialog which opens with the functions button  in Creo's menu ribbon *Tools > Relation* in part and assembly mode.

New function: Extended Dimension Functions (7.0.2.0)

If you select a value in part and assembly mode, which is not be a measured dimension and which is not controlled by a relation, a dialog opens that allows you to quickly increase or decrease the value by one in a given step size. The modification is made on the nominal value.



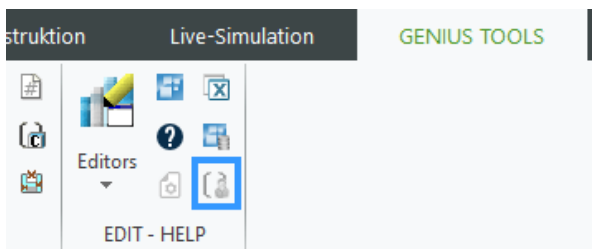
If the dimension is set by hand in the *Dimension* tab in the *Value* group, this can collide with the advanced dimension functions.

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

New function: Copy Component Parameter To Substitution Component Parameter (7.0.2.0)

This function copies all component parameters from the Master representation to the substitution component representation in simplified representations. The substituted components will be enhanced by the component parameters from the component from the Master representation at function runtime. If the parameters are not in existence yet, they will be created.

The button can be found in the GENIUS TOOLS ribbon menu on the segment EDIT-HELP, if an assembly is opened as simplified representation, which was created by substitution.



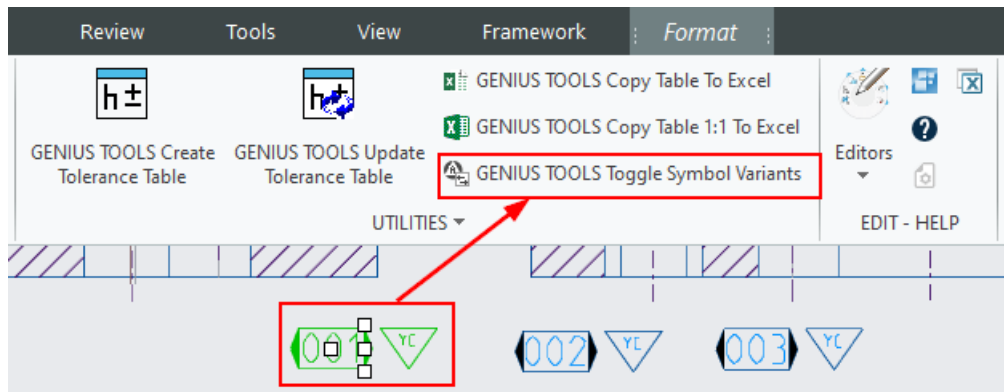
Start via GENIUS TOOLS ribbon menu

Please note: The function *GENIUS TOOLS Copy Component Parameter To Substitution Component Parameter* is only available with subscription licenses for GENIUS TOOLS for Creo.

New function: Toggle Symbol Variants (7.0.2.0)

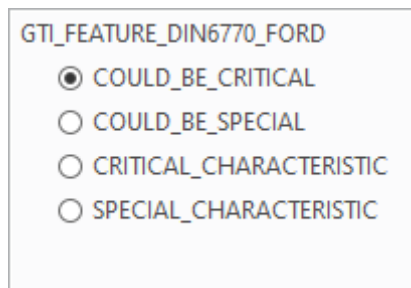
This function allows you to quickly switch between all variants of a grouped symbol. The order of the variants corresponds to the order in the SYM file that defines the symbol group.

The button is located in the GENIUS TOOLS ribbon menu in the segment Utilities.



The following conditions must be fulfilled:

- a symbol must be selected,
- the selected symbol must only have one variant level, i. e. no sub groups. For symbols with sub groups the button is greyed.



Symbol with one variant level

Please note: The function *Toggle Symbol Variants* is only available with subscription licenses for GENIUS TOOLS for Creo.

Close All Other Windows: Save before closing (7.0.2.0)

The function *GENIUS TOOLS Close All Other Windows* can be configured in the way that all models will be saved before closing. Set the configuration option `gtu_close_all_windows_save_changed_models` to 1. (Default is 0=No automatic saving).

The button for this function is located in the segment EDIT-HELP in the GENIUS TOOLS ribbon menu and can also be opened via GENIUS TOOLS Quick Access ([<] key).


“Annotation Value Input” is renamed “3D note form” (7.0.2.0)

The name of the component *Annotation Value Input* has been changed to *3D Note Form*. This component opens a dialog box which allows you to modify dimension and parameter values of all 3D notes in a model comfortably at once, i. e. without having to open each 3D note separately.

The names of the configuration options for this component change as follow:

Invalid name of the configuration option	New name
gtu_start_annotation_value_input	gtu_start_3d_note_form
gtu_annotation_value_input_filter_with_input_panels	gtu_3d_note_form_filter_with_input_panels
gtu_annotation_value_input_pagesize	gtu_3d_note_form_pagesize

Extend Relations: New functions (7.0.2.0)

Es gibt zwei neue Funktionen. The functions are listed in the *Insert Function* dialog which opens with the functions button  in Creo's *Relation* dialog.

GT_UpdateBodyParamMass ("BodyParameter",optMultiplier,optDecimalPlaces)

A body parameter with the value of the body mass is created and updated for each body.

Example: `GT_UpdateBodyParamMass ("MASSE", 0.001, 2)`

- multiplies the body mass by 0.001 (the multiplier 0.001 is used to convert the default setting "kg" to "g")
- rounds to 2 decimal places
- writes the result into the parameter "MASS"

GT_UpdateBodyParamVolume ("BodyParameter",optMultiplier,optDecimalPlaces)

A body parameter with the value of the body volume is created and updated for each body.

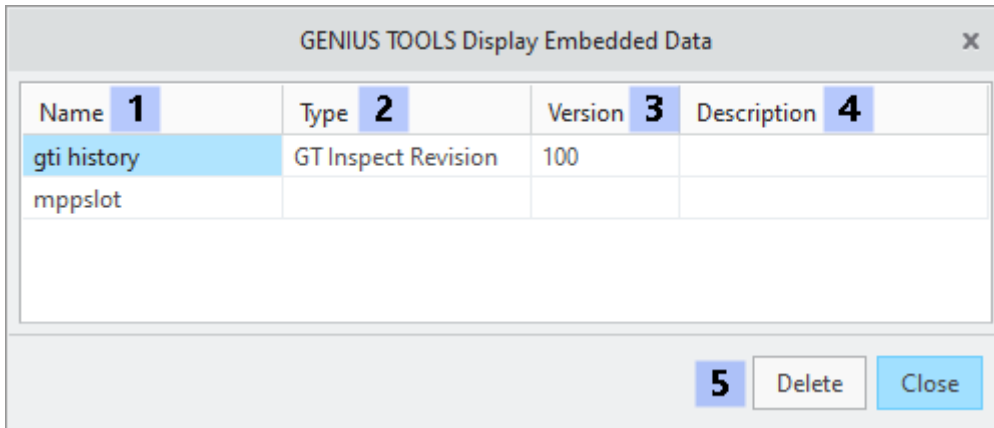
Example: `GT_UpdateBodyParamVolume ("VOLUME")`

The entries *optMultiplier* and *optDigitsAfterComma* are optional. If they are not defined, *optMultiplier* is 1.0 and *optDigitsAfterComma* is not rounded.

2.7 Embedded Data

New function: Display and delete embedded data (7.0.2.0)

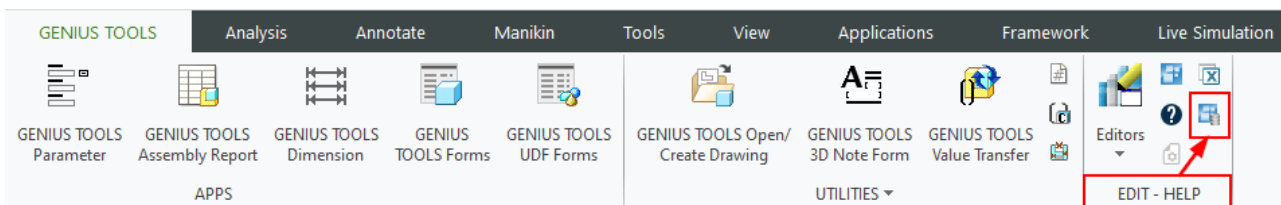
Embedded Data are information on a model that have been generated by GENIUS TOOLS components Assembly Report, Forms, UDF Forms and Inspect Revision. This data can be displayed and deleted in the current model.



Overview of embedded data

Select a line for a GENIUS TOOLS for Creo-module and click *Delete*. This opens another dialog for deleting.

The button for the function is located in the segment EDIT-HELP in the GENIUS TOOLS ribbon menu.



2.8 Java Script Editor

New function: PostLoadFromFile (7.0.1.0)

The function PostLoadFromFile will be automatically executed after loading a value table (CSV/XML).

```
function PostLoadFromFile() {
    ...
}
```

It is executed after the function PostLoad, if PostLoad defined.

3 Configuration options

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

3.1 New configuration options (7.0.0.0)

GENIUS TOOLS Library

gtl_img_switch_size

Defines the size of an image in the object display section. (Default: 40 pixel)

gtl_img_detail_size

Defines the size of an image in the details window. (Default: 100 pixel)

GENIUS TOOLS Material

gtm_show_body_selection

Defines whether the left segment Material in model is expanded by default when opening the dialog box GENIUS TOOLS Material Selection (1) or not (0). Default: 1

gtm_close_at_set_material

Defines whether the dialog GENIUS TOOLS Material Selection closes after assigning a material (1) or whether it remains opened (0). Default: 1

GENIUS TOOLS Utilities: CS Assembler

gtu_csassembler_multi_level

Defines whether coordinate systems from newly assembled components should be used as target coordinate system inside the same assemble task (1) or not (0). Standard: 1

gtu_csassembler_maximal_cs_count

Defines the maximal number of coordinate systems that can be assembled into a model. Default: 5000

GENIUS TOOLS Utilities: Extend Relations

gtu_start_relationExtension

Defines whether the utility with the relation extensions is available (1) or not (0). Default: 1.

gtu_relationextension_calculateBoundingBox

Defines whether the commands GT_CalculateBodyBoundingBox() and GT_CalculateBoundingBox() are available in the relations (1) or not (0). Default: 1.

gtu_relationextension_updateBodyParamMaterial

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

GENIUS TOOLS Utilities: Load Save Converter

gtu_start_loadSaveConverter

Hides the Load Save Converter button in the segment EDIT-HELP in the GENIUS TOOLS ribbon menu. (Default is 1=On/not hidden)

GENIUS TOOLS Utilities: Open Base Model

gtu_start_openGeomOrigin

Switches off the display of the function Open Base Model in the context menu. (Default: 1=On)

GENIUS TOOLS Utilities: Export Points

gtu_points_write_use_template

Defines whether a template should be used for outputting points values to a DAT file (1) or not (0). Presets the checkbox Use templates in the Options tab in GENIUS TOOLS Points. Standard: 0

gtu_points_write_template_names

Defines whether names should be written to the output file. Default: 0

gtu_points_write_template_header

Defines a header for the DAT file.

gtu_points_write_template_footer

Defines a footer for the DAT file.

gtu_points_write_template_names_fill_up_length

Fills up the name to a defined number of characters. Default: 20

gtu_points_write_template_line_left

Defines the start of a line in the DAT file.

gtu_points_write_template_line_right

Defines the end of a line in the DAT file.

gtu_points_write_template_names_split

Replaces the defined string in the file name by a space character: Default: _

GENIUS TOOLS Utilities: Select Surface by Color

gtu_start_selectSurfaceByColor

Hides the Select Surfaces by Color button in GENIUS TOOLS ribbon menu. (Default is 1=On/not hidden)

3.2 New configuration options (7.0.1.0)

GENIUS TOOLS Inspect

gti_excel_export_file

Defines the default name of an exported report file. You can use the GENIUS TOOLS for Creo variables. (For example: ""=%PART_NO%_%CAD_REVISION%_%CAD_CREATED_ON%")

gti_excel_export_path

Defines the default path for saving reports.

GENIUS TOOLS Inspect Revision

gt_start_inspect_revision

Defines whether GENIUS TOOLS Inspect Revision can be started by users (1) or not (0). Standard: 1

gti_revision_excel_export_file

Defines the default name of an exported report file. You can use the GENIUS TOOLS for Creo variables. (For example: ""=%PART_NO%_%CAD_REVISION%_%CAD_CREATED_ON%")

gti_revision_excel_export_path

Defines the default path for saving reports.

GENIUS TOOLS Library

gtl_editor_use_black_on_white_for_screenshots

Defines, whether preview images in the batch mode will be created with the system colors "Black on White" (1) – i. e. the images will have a white background – or with the current color settings (0).

3.3 New configuration options (7.0.2.0)

GENIUS TOOLS Library

gtl_action_open_defined_simp_rep

Defines the simplified representation that is opened by "Open / Insert simplified graphics".

GENIUS TOOLS Material

gtm_editor_material_browser_path

Defines the path at which GT Material Browser get searched. If it is found, it could be started from GENIUS TOOLS Material Editor. At version 1.0.4.0 also path transfer is supported (TempPath if Windchill connection is set).

gtm_exclude_material_from_update_all

Defines one or several materials that will be excluded from the function " Update all materials" (without extension).

GENIUS TOOLS Utilities: Start options

You can deactivate these new functions by setting the following configuration options to 0.

Function	configuration option
Extend Relations: Command "GT_UpdateBodyParamMass"	gtu_relationextension_updateBodyParamMass
Extend Relations: Command "GT_UpdateBodyParamVolume"	gtu_relationextension_updateBodyParamVolume
Copy Component Parameter To Substitution Component Parameter	gtu_start_copyCParamToSubsCParam
Extended Dimensions Function	gtu_start_extendedDimensionFunctions
Toggle Symbol Variants	gtu_start_toggleSymbolGroups

GENIUS TOOLS Utilities: Close All Other Windows

gtu_close_all_windows_save_changed_models

Defines, if the models inside the closed windows will be saved before closing. (Default is 0=No automatic saving)

GENIUS TOOLS Utilities: 3D-Notizwerteingabe/3D-Notizformular

The name of the component *Annotation Value Input* has been changed to *3D Note Form*. The names of the configuration options for this component change as follow:

Invalid name of the configuration option	New name
gtu_start_annotation_value_input	gtu_start_3d_note_form
gtu_annotation_value_input_filter_with_input_panels	gtu_3d_note_form_filter_with_input_panels
gtu_annotation_value_input_pagesize	gtu_3d_note_form_pagesize

4 Copyright

Copyright 2021 by:

INNEO Solutions GmbH

Rindelbacher Str. 42

73479 Ellwangen

Germany

This documentation is protected by copyright. All rights reserved.

Without prior written consent of an authorized representative of INNEO Solutions GmbH it must not be copied, photocopied, reproduced, translated, communicated or converted to electronic or machine readable form in whole or in part.

The unauthorized use of the documentation can lead to a claim for liquidated damages or legal prosecution. INNEO Solutions GmbH does not accept liability for possible faulty information in this documentation and the consequences resulting from such.

Note on registered trademarks:

Most of the software, hardware and trade names mentioned in this documentation are also registered trademarks of the respective software manufacturers.

Registered trademarks and trade names of INNEO Solutions GmbH:

GENIUS TOOLS, Startup TOOLS, INNEO