

GENIUS TOOLS for Creo

10.0.1.0

News

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1 Important information

Updating GENIUS TOOLS Parameter & Library

An update of GENIUS TOOLS Parameter & Library does not update the resource folder (*gt_resource_folder*). This must be updated manually. Consult the chapter *Update process* in the help document *GENIUS TOOLS Starter Installation.pdf*

License-dependent functions

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

Please note: The sum of all extension modules for Creo Parametric, which comprise these products, are called GENIUS TOOLS for Creo.

Extension module	Description	Release
Load Save Converter	Converts Creo objects from previous Creo-, Wildfire- or Pro/ENGINEER versions to the currently used version.	7.0.0.0
Inspect Revision	Stores all versions of inspection symbols on a drawing. Easily creates an overview of a revision history.	7.0.0.0
Open Base Model	Opens geometric base models that are reference sources for features with one click in the context menu of a feature.	7.0.0.0
Extend Relations	Adds functions to model relations that define parameters for models and for bodies.	7.0.0.0 - 8.0.0.0
Select Surfaces By Color	Surfaces of the same color can be selected with one click and be colored or otherwise modified thereafter.	7.0.1.0
CS Assembler	Automatically adds a number of components to an assembly by deploying a coordinate system (CS).	7.0.1.0

Extension module	Description	Release
Extended Dimension Functions	Model dimensions can be increased or decreased very quickly with the mouse in a defined increment in the graphics window.	7.0.2.0
Copy Component Parameter To Substitution Component Parameter	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.	7.0.2.0
Toggle Symbol Variants	If a grouped symbol has variants in the first level, you can switch between these variants more quickly.	7.0.2.0
Multibody to Assembly	Converts multiple bodies into assemblies (Creo Advanced Assembly Extension (AAX) is required.)	8.0.0.0
Work Dir Manager	Automatically collects all directories used during the work process and enables the current working directory to be changed quickly.	8.0.0.0
Full Backup	Quickly backs up the current model with all dependent data.	8.0.0.0
Command Control	With Command Control, Creo Parametric ribbon commands / commands can be hidden or deactivated.	8.0.1.0

GENIUS TOOLS for Creo: End of support for Creo versions 7.0.0.0 and 7.0.1.0 (Version 10.0.1.0)

PTC Creo versions 7.0.0.0 and 7.0.1.0 are no longer supported.

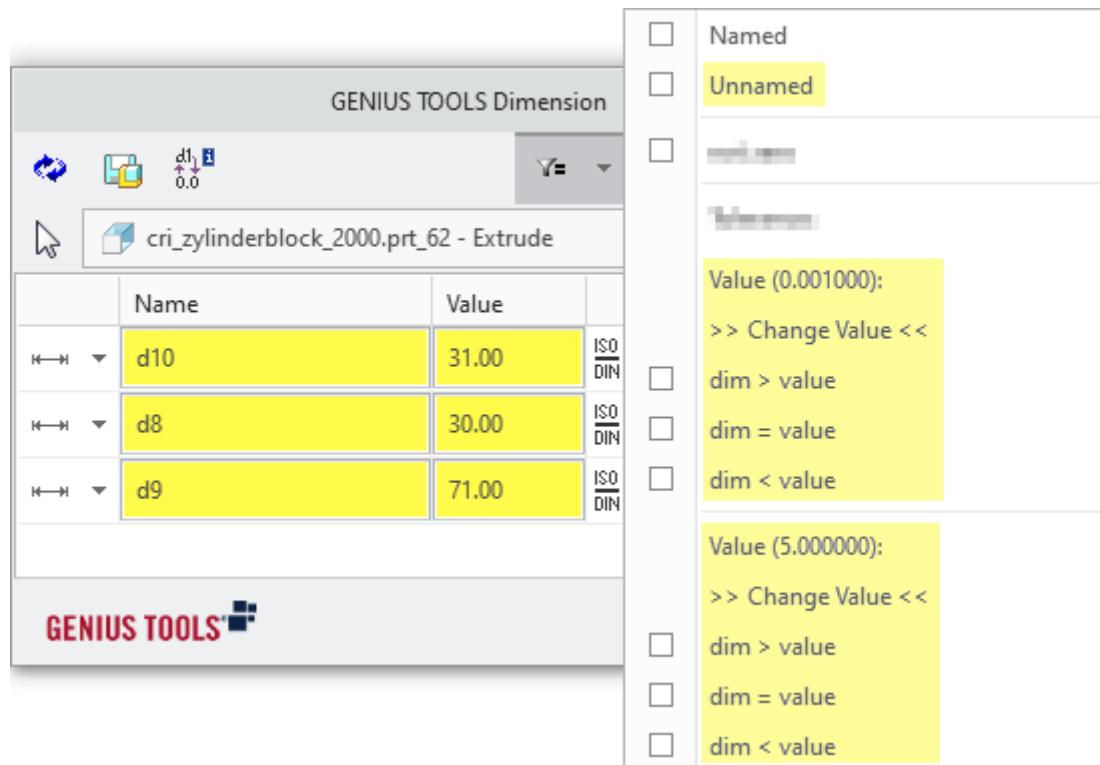
2 What's new in release 10

The GENIUS TOOLS add-on applications for Creo - included in the GENIUS TOOLS Library and GENIUS TOOLS Parameter products - support Creo Parametric version 10.

2.1 GENIUS TOOLS Dimension

Extended filter options (Version 10.0.1.0)

Filters have been extended to include *Unnamed* and the ability to search by value.



All dimensions are displayed that are equal to, smaller than or larger than the selected value. It is possible to search for two different values, e. g. to search for a range of values. The values that can be filtered by are adjustable via <<Change Value>> in the user interface. Alternatively, the values can be set with the configuration options `gtd_filter_value` and `gtd_filter_value2`.

The filter options are only active if the configuration option `gtd_filter_additive=0` is set (default).

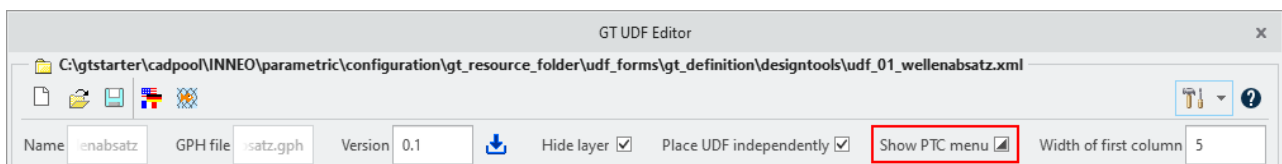
2.2 GENIUS TOOLS Parameter

New list „REST API“ (Version 10.0.1.0)

In GENIUS TOOLS Parameter Editor, you can set up a new value list for parameters: REST API. The REST API list function is available for PTC Windchill with 2.5 REST Services installed. BasicAuth authentication protocol is supported.


2.3 GENIUS TOOLS UDF Forms

UDF Forms: Checkbox for display of the PTC menu (Version 10.0.1.0)



A new checkbox *Show PTC menu* is available in the *GENIUS TOOLS UDF Forms Editor*. This checkbox is used to determine whether the PTC menu for selecting the assembly properties is displayed: On ☒ / Off ☐ / Conditionally On ☒. *Conditionally on* ☒ is selected by default. With this function, the menu for selecting assembly properties is displayed only if Creo Parametric decides that it is required for the particular UDF.

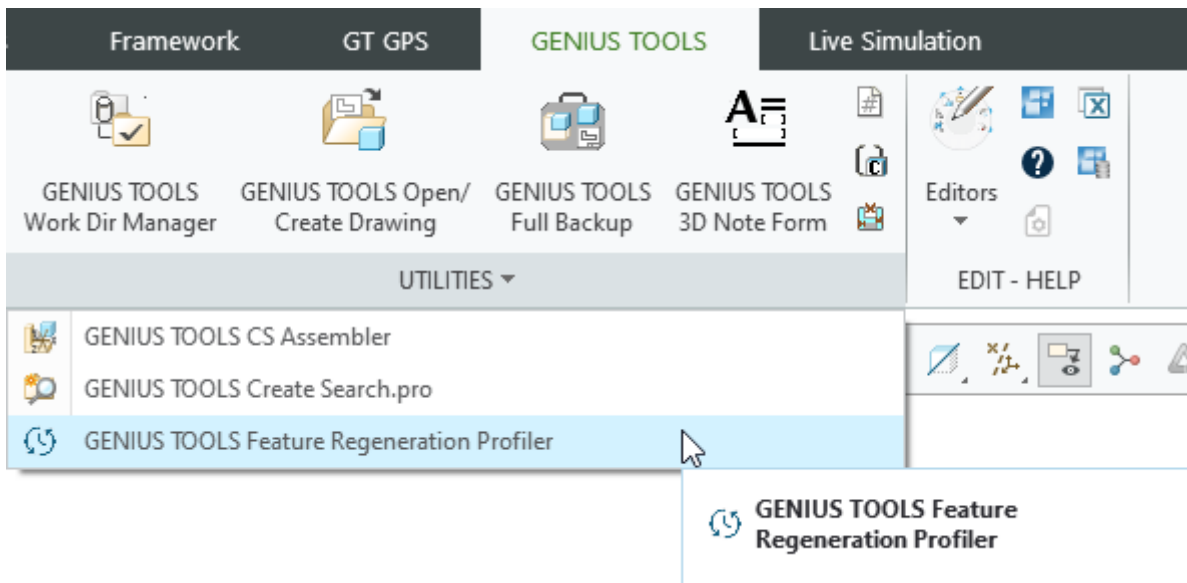
UDF Forms: Integration of Creo assembly functionality (Version 10.0.1.0)

The Creo function for standard assembly of a UDF is integrated in the user interface of *GENIUS TOOLS UDF Forms*. The function *Create new UDF group by Creo std. Dialog (values would not be transferred)*  is only available with the configuration option `gtuf_show_create_by_creo = 1` (Default: 0).

2.4 GENIUS TOOLS Utilities

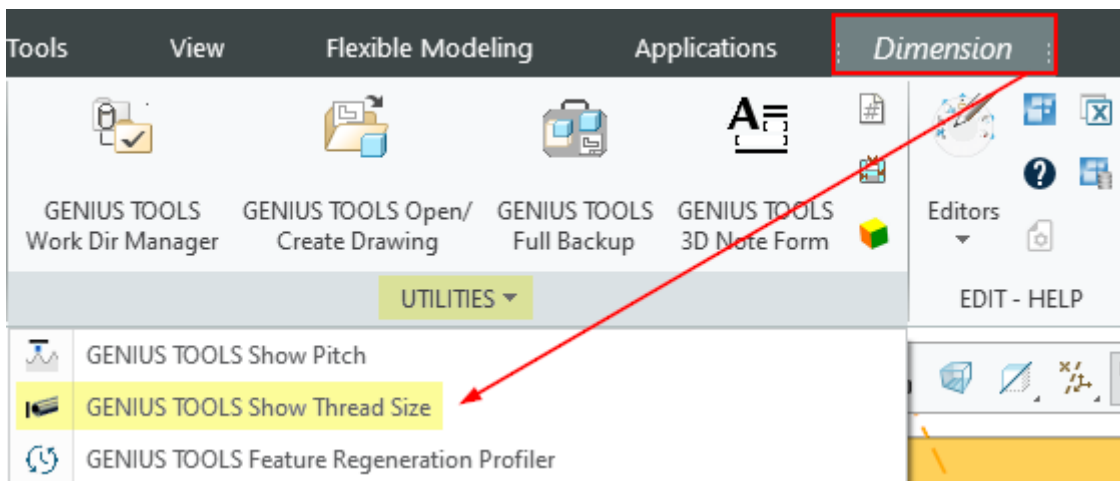
New function „Feature Regeneration Profiler“ (10.0.1.0)

With the *GENIUS TOOLS Feature Regeneration Profiler* you can regenerate your models and simultaneously display the times for the regeneration of each individual feature.



New function „Show Thread Size“ (10.0.1.0)

This function extends the displayed dimensions of a bore thread by the thread size.



2.5 GENIUS TOOLS Value Transfer

GENIUS TOOLS Value Transfer: Usage of boolean parameters (Version 10.0.1.0)

When using boolean parameters, the values *yes*, *true*, *1*, *ja* (engl. yes), and *wahr* (engl. true) are interpreted as *correct*. Any other input is interpreted as *false*.

2.6 Javascript

Excel support (Version 10.0.1.0)

GENIUS TOOLS Javascript Editor supports Excel with these new functions:

excelOpen

Opens a document from a path and allows access to the individual cells from this Excel table.

excelCellValueGet

Reads a value from a particular cell.

File selection and text query (Version 10.0.1.0)

There are three new functions in GENIUS TOOLS JavaScript Editor. In this context, the dropdown menu was adjusted to reorganize functions.

getStringUI("request", "default_value" (optional));

Queries a text.

openFileUI("*.extension", path (optional), title (optional), preselected_file (optional));

Opens a file.

saveFileUI("*.extension", path (optional), title (optional), preselected_file (optional));

Saves a file.

3 Configuration options

The following configuration options have been added, changed or deleted since version 10.0.1.0.

3.1 New configuration options (10.0.1.0)

Dimension: New configuration options

gtd_filter_value

Defines the start value for the value filter. Default: 0.001

gtd_filter_value2

Defines the start value for the second value filter. Default: 5.000

(More information under New features: Extended filter options.)

Inspect: Deleted configuration option

The following configuration option has been deleted.

gti_size_wchar

Defines the size of a wchar, important for automatic symbol placement.

The following automation has replaced this configuration option: When you insert a linked inspection symbol, it is automatically attached to a drawing item with the same alignment.

Material: New configuration option

gtm_delete_not_current_materials

Deletes all materials that do not match the current material when a new material is set.
Default: 0

When working with relations, family tables and multi bodies in a part, activating this option can cause problems. We therefore do not recommend setting this option.

Utilities: New configuration options

Show Thread Size

gtu_show_thread_size_check_param

Defines a language dependent feature parameter. If defined, it will be checked if the

parameter exists. If the parameter does not exist, the action is not available. Default: SCHRAUBEN_GROESSE

gtu_show_thread_size_check_param_fallback

Defines a language dependent feature parameter. If defined, it will be checked if the parameter exists. If the parameter does not exist, the action is not available. Default: SCREW_SIZE

gtu_show_thread_size_text_definition

This configuration option must be customized for the used Creo language in order for GENIUS TOOLS Show Thread Size to work.

gtu_show_thread_size_text_definition_fallback

This configuration option must be customized for the used Creo language in order for GENIUS TOOLS Show Thread Size to work. The fallback is only used if gtu_show_thread_size_check_param is not found.

gtu_start_show_thread_size

Defines whether the button "Show Thread Size" is displayed. (0 - No, 1 - Yes) Default: 1