

GENIUS TOOLS for Creo

12.0.0.0

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*

GENIUS TOOLS for Creo: End of support for Creo versions up to 9.x (Version 12.0.0.0)

PTC Creo versions up to and including 9.x are no longer supported.

GENIUS TOOLS for Creo: Modules discontinued as of Creo release 13 (12.0.0.0)

The following GENIUS TOOLS extension modules will be discontinued as of Creo version 13.0.0.0, as the functions can now be executed with Creo Parametric.

GENIUS TOOLS for Creo	Creo Parametric
Feature Regeneration Profiler	Performance Report (in <i>Tools > Investigate</i>)
Multibody to Assembly	Save as assembly in a multibody part (in <i>File > Save as</i>)

License-dependent functions

The following functions are available with a subscription license for *GENIUS TOOLS® Library*, *GENIUS TOOLS® Parameter* and *Startup TOOLS*.

Extension module (GENIUS TOOLS for Creo)	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

Extension module (GENIUS TOOLS for Creo)	Description	Release
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 – with Creo 7 – 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, measured or otherwise modified thereafter.	7.0.1.0
CS Assembler	Automates the assembly of components into an assembly using defined coordinate systems (CS).	7.0.1.0
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 those 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	8.0.0.0

Extension module (GENIUS TOOLS for Creo)	Description	Release
	directory to be changed quickly.	
Full Backup	Quickly backs up the current model with all dependent data.	8.0.0.0
Command Control	Creo Parametric ribbon commands / commands can be hidden or deactivated.	8.0.1.0
Feature Regeneration Profiler	Regenerates models and displays regeneration times for each feature.	10.0.1.0

2 What's new in release 12

The following functions have been added to the GENIUS TOOLS add-on applications for Creo that are contained in the products GENIUS TOOLS Library and GENIUS TOOLS Parameter and GENIUS TOOLS MBD for ISO-GPS.

Please note: If you would like to search for functions of a module across releases, enter the name of the module in the search window in the **Update Advisor** (<https://updateadvisor.inneo.com>). The Update Advisor also lists all changes to configuration options and files in the supplied data packages.

2.1 Multibody to Assembly

Multibody To Assembly: disabled in version (13.0.0.0)

The function *Multibody To Assembly* will be disabled in version 13.0.0.0.


2.2 Inspect

Inspect / Inspect 3D: Display of all tolerance values in compound frame (Version 12.0.0.0)

For geometric dimensioning and tolerancing all tolerance values and datum references in a compound frame are displayed and automatically read out.

2.3 Utilities

Utilities – New function „Create offset coordinate systems and points“ (12.0.0.0)

The function *Create points and coordinate systems*  can be used to create a coordinate system or a point at the same location (point, corner point or coordinate system) within a part or an assembly with reference to a newly selected reference coordinate system. The offset coordinate system can be created manually or automatically or an offset point can be created.

The function is located in the *GENIUS TOOLS* ribbon in the *UTILITIES* segment.

Utilities – KE Regeneration Profiler: disabled in version (13.0.0.0)

The function *KE Regeneration Profiler* will be disabled in version 13.0.0.0.

3 Configuration options

The following configuration options have been added, changed or deleted since version 12.0.0.0.

3.1 New configuration options (12.0.0.0)

Utilities: New configuration options

Combined View Gallery

gtu_combined_view_gallery_creation_rule

Defines a rule, in the form of a regular expression, to find combined views whose screenshot is displayed when the program is started.

GTOL Text

gtu_gtol_text_table_folder

Defines the path where the GTol Text tolerance table files are located.

gtu_gtol_text_lang

Defines the display language of GENIUS TOOLS GTol Text.

Find references

gtu_start_find_references

Defines whether GT Find References can be started by users (1) or by owner (0). Default: 1

Create point and coordinate systems

gtu_start_datum_creation

Defines whether the GT function to create offset coordinate systems and offset points can be started by users (1) or by owner (0). Default: 1

gtu_datum_creation_std_placement_cs

Defines the name for the reference coordinate system. If the coordinate system cannot be found a selection is requested.

gtu_datum_creation_start_feature_numbers

Defines the start for created features.

gtu_datum_creation_cs_prestring

Defines the name of the created feature. Default: MCS_

MCS_%gtu_datum_creation_start_feature_numbers%,
MCS_%gtu_datum_creation_start_feature_numbers% + 1,

gtu_datum_creation_pnt_prestring

Defines the name of the created feature. Default: PNT_

PNT_%gtu_datum_creation_start_feature_numbers%,
PNT_%gtu_datum_creation_start_feature_numbers% + 1,