

# 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 for Creo version 13.0.0.0 (12.0.0.0)

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

| GENIUS TOOLS for Creo | Creo Parametric  |
|-----------------------|--|
| Regeneration Profiler | Tools > Investigate > Performance Report               |
| Multibody to Assembly | In a multibody part: File > Save as > Save as assembly |

## License-dependent functions

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

| Extension module<br>(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 |

| <b>Extension module<br/>(GENIUS TOOLS<br/>for Creo)</b>      | <b>Description</b>  | <b>Release</b>       |
|--|---|----------------------|
| 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 -<br>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<br>(GENIUS TOOLS<br>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<br>Regeneration<br>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.

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**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.

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### 2.1 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.

### 2.2 Utilities

#### **Utilities – New module „Create points and coordinate systems“ (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.

## 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,