

**GENIUS TOOLS**<sup>®</sup> 

**INNEO Software**

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# Platform Support

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# 1 Preliminary remarks

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## 2 GENIUS TOOLS License Manager

The GENIUS TOOLS products by INNEO Solutions are licensed using the Flexnet technology by Flexera.

The Flexnet license server has to be installed on a computer with a Windows operating system.

	<b>1.0 M070</b>
Flexnet version	11.13.1

### 3 Startup TOOLS

From Startup TOOLS version 6, the product consists of the following components:

Component/Product	Description
GENIUS TOOLS Starter (GTS)	Separate product, for requirements see <a href="#">GENIUS TOOLS Starter</a> <sup>5)</sup>
GENIUS TOOLS Library & Parameter	Separate product, for requirements see <a href="#">GENIUS TOOLS Library &amp; Parameter</a> <sup>9)</sup>
Data packages	Can be used with GENIUS TOOLS Starter, available for defined Creo versions (configuration files, template models, symbols, drawing frames)

### Product matrix

For detailed requirements and supported PTC products, please refer to the sections on the individual GENIUS TOOLS products.

	Startup TOOLS					
	2013	2016	2017	2018	6.0	7.0
GENIUS TOOLS Starter (GTS)	Integrated configuration	Integrated configuration	Integrated configuration	Integrated configuration	GTS 6.0	GTS 7.0
GENIUS TOOLS Library & Parameter	Pro/Web.Link Toolbox	Pro/Web.Link Toolbox	GENIUS TOOLS Library & Parameter 2.0	GENIUS TOOLS Library & Parameter 5.0	GENIUS TOOLS Library & Parameter 6.0	GENIUS TOOLS Library & Parameter 7.0
Data packages	Wildfire 4-5, Creo 2.0	Wildfire 5, Creo 2.0-3.0	Creo 2.0-4.0	Creo 3.0-5.0	Creo 4.0-6.0	Creo 4.0-7.0

## 4 GENIUS TOOLS Starter

GENIUS TOOLS Starter is a C# desktop application that allows to manage central PTC Creo configurations. GENIUS TOOLS Starter consists of three applications that can be run on any computer with a Windows operating system. You need a central data share with enough storage space that is accessible for all users via UNC.

These are the component applications:

- GENIUS TOOLS Starter App: user application for starting PTC Creo
- GENIUS TOOLS Project Configurator: administrative application for configuring projects
- GENIUS TOOLS Environment Administrator: administrative application for configuring operating environments

### 4.1 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
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	

	GENIUS TOOLS Starter	
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 using GENIUS TOOLS Starter Service		Communication port for REST API on main server. 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

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

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



## 4.2 Access rights

### 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*

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**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*.

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## 4.3 PTC Creo support

	GENIUS TOOLS Starter	
	6.0	7.0
Creo 4.0 64 Bit Parametric, Direct, Simulate, Layout	X	X
Creo 5.0 64 Bit Parametric, Direct, Simulate, Layout	X	X
Creo 6.0 64 Bit Parametric, Direct, Simulate, Layout	X	X
Creo 7.0 64 Bit Parametric, Direct, Simulate, Layout	-	X

## 4.4 PTC Windchill support

GENIUS TOOLS Starter supports the Windchill versions that work with the supported PTC Creo versions (refer to the Matrix at PTC for exact weekly versions).

CAD	PLM
PTC Creo 4.0	Windchill 10.2 – 12.0
PTC Creo 5.0	Windchill 11.0 – 11.1
PTC Creo 6.0	Windchill 11.0 – 11.2
PTC Creo 7.0	Windchill 11.1 – 12.x

## 5 GENIUS TOOLS Library & Parameter

GENIUS TOOLS Library & Parameter are an add-on application for Creo Parametric.

### PTC Creo support

	GENIUS TOOLS Library & Parameter		
	5.0	6.0	7.0
PTC Creo 3.0	X	-	-
PTC Creo 4.0	X	X	X
PTC Creo 5.0	X	X	X
PTC Creo 6.0	-	X	X
PTC Creo 7.0	-	-	X

### PTC Windchill support

The following functionality can be configured to work with PTC Windchill.

#### GENIUS TOOLS Library & Parameter

- GENIUS TOOLS Name Generator
  - version 5.0 with Windchill customization
  - version 6.0/7.0 with Creo, native
- Open or create drawing (6.0/7.0)
  - REST
- JavaScript (6.0/7.0)
  - REST

#### GENIUS TOOLS Parameter

- GT Assembly Report (6.0/7.0)
  - REST

#### GENIUS TOOLS Library

- GT Library Data Importer (6.0/7.0)
  - REST

## Windchill prerequisites

All REST functions require Windchill 11.0 or later with CPS 06.

## 6 GENIUS TOOLS Model Processor

### PTC Windchill support

PTC Windchill is supported in version 9.1 or later.

### 6.1 GENIUS TOOLS Model Processor Report/Rework

#### PTC Creo support

	Model Processor		
	4.1	5.0	5.7
PTC Wildfire 4.0	32/64 bit	-	-
PTC Wildfire 5.0	32/64 bit	-	-
PTC Creo 1.0	32/64 bit	-	-
PTC Creo 2.0	32/64 bit	64 bit > M120	-
PTC Creo 3.0	-	64 bit	-
PTC Creo 4.0	-	64 bit	X > M040
PTC Creo 5.0	-	-	X
PTC Creo 6.0	-	-	-
PTC Creo 7.0	-	-	-
Windows XP 32/64 bit	X	-	-
Windows 7 32/64 bit	X	X	X
Windows 10 64 bit	-	-	X

## 6.2 GENIUS TOOLS Model Processor User

For versions < 5.7, the corresponding Model Processor versions are listed in the text file *version.txt* under *<INSTALL\_PATH>/text*.

For later versions, the version numbers are the same for Model Processor and Model Processor User.

The Microsoft Windows versions correspond to the Creo versions.

### PTC Creo support

	Model Processor User			
	4.1 <= M050	4.1 > M050	5.0	5.7
PTC Wildfire 4.0	32/64 bit	-	-	-
PTC Wildfire 5.0	32/64 bit	-	-	-
PTC Creo 1.0	32/64 bit	-	-	-
PTC Creo 2.0	32/64 bit	64 bit > M120	64 bit > M120	-
PTC Creo 3.0	-	64 bit	64 bit	-
PTC Creo 4.0	-	-	64 bit	X > M040
PTC Creo 5.0	-	-	-	X
PTC Creo 6.0	-	-	-	-
PTC Creo 7.0	-	-	-	-