GENIUS TOOLS®

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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.

	1.0 M080
Flexnet version	11.17.0.0

System requirements for FlexNet Server

Microsoft Windows 64-bit x64

– Windows 10 / Windows 8.1 / Windows 7 SP1

– Windows Server 2022 / Windows Server 2019 / Windows Server 2016

It is recommended to run license servers on a server-based operating system.

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3 Startup TOOLS

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

Component / Product	Description
GENIUS TOOLS Starter	Separate product, for requirements see GENIUS TOOLS Starter
GENIUS TOOLS Library & Parameter	Separate products, for requirements see GENIUS TOOLS Library & Parameter
Creo data packages	Can be used with GENIUS TOOLS Starter, available for defined Creo versions. Contain configuration files, template models, symbols, drawing frames and more.
GENIUS TOOLS License Manager	for requirements see GENIUS TOOLS License Manager

Product matrix

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

	Startup TOOLS		
	6.0	7.0	8.0
GENIUS TOOLS Starter	GTS 6.0	GTS 7.0	GTS 8.0
GENIUS TOOLS Library & Parameter	GENIUS TOOLS Library & Parameter 6.0	GENIUS TOOLS Library & Parameter 7.0	GENIUS TOOLS Library & Parameter 8.0
Data packages	Creo Parametric 4.0-6.0	Creo Parametric 4.0-7.0	Creo Parametric 4.0-8.0

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	Startup TOOLS		
	9.0	**10.0**	**11.0**
GENIUS TOOLS Starter	GTS 9.0	GTS 10.0	GTS11.0
GENIUS TOOLS Library & Parameter	GENIUS TOOLS Library & Parameter 9.0	GENIUS TOOLS Library & Parameter 10.0	GENIUS TOOLS Library & Parameter 11.0
Data packages	Creo Parametric 7.0-9.0	up to version 10.0.0.0: Creo Parametric 7.0-10.0 as of version 10.0.1.0: Creo Parametric 7.0.2.0-10.0	Creo Parametric 7.0.2.0-11.0

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4 GENIUS TOOLS Starter

GENIUS TOOLS Starter is a C# desktop application that allows to manage central configurations for projects of the CAD applications Creo Parametric, Creo Elements/Direct Modeling, Inventor and SolidWorks.

GENIUS TOOLS Starter consists of four software components 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 centrally configured projects

– GENIUS TOOLS Project Configurator: administrative application for configuring projects

– GENIUS TOOLS Environment Administrator: administrative application for configuring operating environments

– GENIUS TOOLS Config Editor: editing tool for configuration files

4.1 Hardware and software requirements

GENIUS TOOLS Starter works on all computers that fulfill the requirements for Creo 7.0 to Creo 11.0.

The following requirements are the same for installation computers, installation computers and satellites.

	GENIUS TOOLS Starter				
Version	**7.0**	**8.0**	**9.0**	**10.0**	**11.0**
Operating system	64-bit only Windows 10 / 8.1 / 7		64-bit only Windows 11 / 10		
.NET Framework	4.8 Delivered with Windows 10 -1903 (+8.1; +7) (May have to be installed separately on WIN7/8.1)		4.8 Delivered with Windows 10 -1903		Installation computer: 4.8
.NET	-				8.0

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	GENIUS TOOLS Starter				
Version	**7.0**	**8.0**	**9.0**	**10.0**	**11.0**
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				
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 installation computer and satellites. Standard: 8092 Satellites need the same storage space as the installation computer.				

4.2 Supported desktop applications

1. Administrators can create projects with object data and predefined configuration settings for the following CAD applications:

- AutoCAD, AutoCAD Architecture, AutoCAD LT und AutoCAD Mechanical 2021 - 2024
- Creo Elements / Direct Modeling
- Creo Parametric 2.0 - 11.0
- Inventor 2021 - 2024
- SolidWorks 2020 - 2024

2. The following applications will be automatically detected if they are installed on the user

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computer (autostart). The latest version will be opened.

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

4.3 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 to be used: to the directory that contains Creo startkeys,
- if the Creo configuration 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*.

4.4 PTC Creo support

	GENIUS TOOLS Starter					
	6.0	**7.0**	**8.0**	**9.0**	**10.0**	**11.0**
Creo 4.0 Parametric, Direct, Simulate, Layout	X	X	X	X	X	X
Creo 5.0 Parametric, Direct, Simulate, Layout	X	X	X	X	X	X
Creo 6.0 Parametric, Direct, Simulate, Layout	X	X	X	X	X	X
Creo 7.0 Parametric, Direct, Simulate, Layout	–	X	X	X	X / –[1]	X / –[1]
Creo Parametric 8.0	–	–	X	X	X	X
Creo Parametric 9.0	–	–	–	X	X	X
Creo Parametric 10.0	–	–	–	–	X	X
Creo Parametric 11.0	–	–	–	–	–	X
Creo+	–	–	–	–	X	X

[1]As of version 10.0.1.0, support for PTC Creo versions 7.0.0.0 and 7.0.1.0 is discontinued.

4.5 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).

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CAD	PLM
Creo Parametric 4.0	Windchill 10.2 – 12.0
Creo Parametric 5.0	Windchill 11.0 – 11.1
Creo Parametric 6.0	Windchill 11.0 – 11.2
Creo Parametric 7.0	Windchill 11.1 – 12.x
Creo Parametric 8.0	Windchill 11.1 – 12.x
Creo Parametric 9.0	Windchill 11.1 – 12.x
Creo Parametric 10.0	Windchill 12.x
Creo Parametric 11.0	Windchill 12.x

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5 GENIUS TOOLS Library & Parameter

GENIUS TOOLS Library and GENIUS TOOLS Parameter are add-on applications for Creo Parametric. They are separately available products since version 6.

PTC Creo support

	GENIUS TOOLS Library & Parameter						
	5.0	**6.0**	**7.0**	**8.0**	**9.0**	**10.0**	**11.0**
Creo Parametric 3.0							
Creo Parametric 4.0	X	–	–	–	–	–	–
Creo Parametric 5.0	X	X	X	X	X	X	X
Creo Parametric 6.0	X	X	X	X	X	X	X
Creo Parametric 7.0	–	X	X	X	X	X	X
Creo Parametric 8.0	–	–	X	X	X	X / –[1]	X / –[1]
Creo Parametric 9.0	–	–	X	X	X	X	X
Creo Parametric 10.0	–	–	X	X	X	X	X
Creo Parametric 11.0	–	–	X	X	X	X	X
Creo+	–	–	–	–	–	X	X

[1]As of version 10.0.1.0, support for PTC Creo versions 7.0.0.0 and 7.0.1.0 is discontinued.

PTC Windchill support

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

GENIUS TOOLS Library & Parameter (all modules)

- GENIUS TOOLS Name Generator
  - version 5.0 with Windchill customization
  - version 6.0-10.0 with Creo, native
- Open or create drawing (6.0-10.0)
  - REST

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– JavaScript (6.0-10.0)

  – REST

GENIUS TOOLS Parameter

– GT Assembly Report (6.0-10.0)

  – REST

GENIUS TOOLS Library

– GT Library Data Importer (6.0-10.0)

  – REST

Windchill prerequisites

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

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6 GENIUS TOOLS Model Processor

PTC Windchill support

PTC Windchill is supported in version 9.1 or later.

PTC Creo support

The following supports applies for the products: Model Processor Report, Model Processor Rework, Model Processor User, Model Processor Trigger and Model Processor Worker Extension.

For Model Processor Worker Extension the versions apply for the visualization engine used (creo_view_adapter), not for the PTC Windchill server.

	Model Processor products							
	4.1	**5.0**	**5.7**	**7.0**	**8.0**	**9.0**	**10.0**	**11.0**
Wildfire 4.0	32/64 bit	-	-	-	-	-	-	-
Wildfire 5.0	32/64 bit	-	-	-	-	-	-	-
Creo Parametric 1.0	32/64 bit	-	-	-	-	-	-	-
Creo Parametric 2.0	32/64 bit	64 bit ≥ M120	-	-	-	-	-	-
Creo Parametric 3.0	-	64 bit	-	-	-	-	-	-
Creo Parametric 4.0	-	64 bit	X ≥ M040			-	-	-
Creo Parametric 5.0	-	-	X	X	X	-	-	-
Creo Parametric 6.0	-	-	-	X	X	-	-	-
Creo Parametric 7.0	-	-	-	X	X	X ≥ 7.0.2.0		
Creo Parametric 8.0	-	-	-	-	X	X	X	X
Creo Parametric 9.0	-	-	-	-	-	X	X	X

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	Model Processor products							
	4.1	**5.0**	**5.7**	**7.0**	**8.0**	**9.0**	**10.0**	**11.0**
Creo Parametric 10.0	-	-	-	-	-	-	X	X
Creo Parametric 11.0	-	-	-	-	-	-	-	X
Creo +	-	-	-	-	-	-	X	X
Windows XP	X	-	-	-	-	-	-	-
Windows 7	X	X	X	X	X	X	X	X
Windows 10	-	-	X	X	X	X	X	X
Windows 11	-	-	-	-	-	X	X	X

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.

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