

## Import Specifications

Red: Enhanced Feature. Orange: Warning.

System	Version	Extension	Description
CATIA	R8 - V5-6R2017(R27)	CATPart, CATProduct	- File names with Japanese characters (2 byte characters) cannot be imported.
NX (UG)	V11 - NX11	prt	
Creo Parametric (Pro/E)	V16 - Creo3.0	prt, prt* asm, asm*	
Rhinoceros	2.0 - 5.0	3dm	
Alias (StudioTools)	13.0 - 2016	wire	- 32bit OS : Requires installation of an authentic version of StudioTools 13.0 or later. - 64bit OS : Requires installation of an authentic version of AliasStudio 2009 (64bit) or later. - File names with Japanese characters (2 byte characters) cannot be imported.
Parasolid	12.0 - 29.0	x_t, xmt_txt, x_b, xmt_bin	
ACIS	R1 - 2017 1.0	sat	
IGES	- V5.3	igs, iges	
STEP	AP203, AP214	stp, step	- Assembly structure model must be in a single file.
spScan	2016.1 - 2017.1	scands2	
DS	(No Version)	gateds, ds	
STL	(No Version)	stl	- Load polygon data for modification processes (hole-filling, surface smoothing, thinning-out, etc.), and then export as STL or OBJ file. <sup>1</sup>
OBJ	(No Version)	obj	- Load polygon data for modification processes (hole-filling, surface smoothing, thinning-out, etc.), and then export as STL or OBJ file. <sup>1</sup>
SolidWorks	98 - 2017	sldprt, sldasm	- These optional licenses must be purchased separately. - Requires a dedicated dongle that cannot launch spGate older than V6.0. - From version 2015, SolidWorks only runs on 64 bits machines.
JT	8.1, 9.0, 9.1, 9.5	jt	- These optional licenses must be purchased separately. - Requires a dedicated dongle that cannot launch spGate older than V6.0. - File names with Japanese characters (2 byte characters) cannot be imported.

Footnote 1: If you need a tool to create surface from polygon data, then refer to our reverse engineering software: spScan.

## Export Specifications

System	Version	Extension	Description
CATIA	R15 - V5-6R2017(R27)	CATPart	- File names with Japanese characters (2 byte characters) cannot be exported.
NX (UG)	x	-	- Not available. Please use Parasolid.
Creo (Pro/E)	x	-	- Not available. Please use IGES or STEP (recommended).
Rhinoceros	3.0 - 5.0	3dm	
Alias (StudioTools)	13.0 - 2016	wire	- 32bit OS : Requires installation of an authentic version of StudioTools 13.0 or later. - 64bit OS : Requires installation of an authentic version of AliasStudio 2009 (64bit) or later. - Version of the exported file depends on the version of Alias (StudioTools) installed. - File names with Japanese characters (2 byte characters) cannot be exported.
Maya	V8.0	ma	
CAM-TOOL	V10.1	gmd	
Parasolid	13	x_t, x_b	
ACIS	R1.6 - 2017 1.0	sat	
IGES	V5.3	igs	
STEP	AP203, AP214	stp	
spGauge	2017.1	gaugeds, gaugedsz	- spGate 2015.1 exports spgaugeds 2013.1. - gaugeds files exported from spGate 2015.1 cannot be opened in spGauge versions older than spGauge 2013.1. - Be sure to install "DS-ClipServer" by running "ClipSvr\Setup.exe" in spGate 2015.1 installer when using DS-Clipboard. - When translating PMI data, export to gaugeds.
spScan	2013.1	scands2	- scands2 files exported from spGate 2015.1 can be read in spScan 2013.1 and later, but not older.
DS	(No Version)	gateds, ds	
STL	(No Version)	stl	- Binary export supported. - Export precision can be specified.
OBJ	(No Version)	obj	- Export precision can be specified.
JT	8.1	jt	- JT writer optional license must be purchased separately. - Requires a dedicated dongle that cannot launch spGate older than V6.0. - File names with Japanese characters (2 byte characters) cannot be exported.
spGateViewer	2012.1	gateviewer	

\* Assembly export as a single file is supported for Parasolid, STEP, JT, IGES, spGate-Viewer. Assembly export as multiple files is only supported for JT.