



# 3D PDF Converter

## Version 4.1 Release Notes

Release notes for 3D PDF Converter™ detailing new features, bug fixes and updated format support.

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## OVERVIEW

This release is a major release for 3D PDF Converter™. Note that this update can be installed over any prior installation of 3D PDF Converter.

### Version Information

Item	Version Number
3D PDF Converter	4.1.0.0

### Language Support Overview

3D PDF Converter provides support for multiple languages as noted in the table below. However, the language used is controlled by the local Adobe Acrobat® installation. If there is a 3D PDF Converter language option that matches the Acrobat installation that language is used; if not, 3D PDF Converter defaults to English.

Tier 1 and Tier 2 are as defined by Adobe Systems. The bold items are new in this release.

Tier	3D PDF Converter Supported Languages
<b>Tier 1</b>	English, French, German, Japanese
<b>Tier 2</b>	Brazilian Portuguese, Korean, Spanish

### Definition of Release Types

We define each release type as follows

- **Major release:** A major release associated with an incremented first number (e.g. 3 or 4) and an approximate 12 month product cycle.
- **Minor release:** An update between major releases that may include support for new file formats, new versions of currently supported formats, and bug fixes
- **Out of cycle patch:** An unscheduled update. These contain few functional updates with the intention to limit impact.

## Acrobat Pro Compatibility

3D PDF Converter provides a plug-in for Adobe Acrobat Pro. The following table provides information about tested version compatibility. Note that older versions of 3D PDF Converter may work with newer Acrobat Pro releases, even if compatibility is not explicitly mentioned here.

3D PDF Converter Version	Compatible Acrobat Pro X/XI Version
<b>3.0</b>	Acrobat 10.0 only
<b>3.1</b>	Acrobat 10.0 only
<b>3.2</b>	Acrobat 10.0 to 10.1.1
<b>3.3</b>	Acrobat 10.0 to 10.1.1
<b>3.4</b>	Acrobat 10.0.0 to 10.1.3 (Note: updating from Acrobat 10.1.1 requires reinstalling 3D PDF Converter. Please see Known Issues)
<b>3.5</b>	Acrobat 10.0.0 to 10.1.4; Acrobat 11.0.0
<b>3.6</b>	Acrobat 10.0.0 to 10.1.4; Acrobat 11.0.0 to 11.0.3
<b>4.0</b>	Acrobat 10.0.0 to 10.1.8; Acrobat 11.0.0 to 11.0.5
<b>4.1</b>	Acrobat 10.0.0 to 10.1.9; Acrobat 11.0.0 to 11.0.6

## Licensing Changes

### New 3D PDF Converter License Key Required

3D PDF Converter version 4.x requires a new license vs. previous versions. Version 4.1 uses that same license as 4.0. If you have already installed and licensed version 4.0, you will not need to do anything. If not, you will need a new license. Note that 3D PDF Converter will run in trial mode for 21 days after installation, providing you an opportunity to use the product temporarily without a license key.

## 4.1 Improvements

The 4.1 release includes the following improvements:

### Format Updates

This release adds support for the following new versions of currently supported formats.

Format	New Version(s)
NX	9

The release also adds welding and frame support for the Solid Edge format.

### New Features/Enhancements

#### Geometry

Parasolid Export Improvement with Parasolid Based Format (NX, Sldw, SE)

Various memory leaks fixed

#### Readers / Writers

Better support of NX Promoted bodies

PMI Improvement: CV5, Creo

Creo PMI Views enhancement

Better support of CV5 files coming From CV6

JT Export enhancement

## Bug fixes

The following is a list of bugs and enhancements that have been incorporated in 3D PDF Converter 4.1. This list is not necessarily comprehensive.

Type	Summary	Functional Area	File Format
Bug	PMI is overlapping	Import/Conversion	3DXML
Bug	3DXML PMI are not converted	PMI	3DXML
Bug	3DXML: Wrong orientation of the part in views	Views	3DXML
Bug	SAT file cannot be opened	Import/Conversion	ACIS
Bug	Can't open SAB file	Import/Conversion	ACIS
Bug	Crash on opening Catia V5 file	Import/Conversion	CV5
Bug	Catia V5 R23 file incorrect in BREP loading mode and colors differ from Catia	Import/Conversion	CV5
Bug	Catia V5R22 fails to load	Import/Conversion	CV5
Bug	Unable to load CV5 file	Import/Conversion	CV5
Bug	support for Catia V5 R23SP3HF0	Import/Conversion	CV5
Bug	Occasional import variation	Import/Conversion	CV5
Bug	CV5 data with PMI incorrect	PMI	CV5
Bug	CV5: Arrows are displayed inward instead of outward	PMI	CV5
Bug	CV5: Leaderline too short for dimensions	PMI	CV5
Bug	CV5 PMI: Leader has a stub, it shouldn't	PMI	CV5
Bug	CV5 PMI: Misplaced Text in Notes	PMI	CV5
Bug	Missing leader line	PMI	CV5
Feature	Catia V5 PMI: an annotation should not have a stub	PMI	CV5
Bug	Issues with the visibility of annotations within the views in a CV5 assembly	PMI	CV5
Bug	Support PMI from v5 file saved from v6	PMI	CV5
Bug	Text of cumulated dimensions not correctly placed in files from CV5	PMI	CV5
Problem	Wrong reference plan for CV5 in PDF	Views	CV5
Bug	Question about IFC rebar	Import/Conversion	IFC
Feature	JT Export: Support of section	Export	JT
Bug	JT import issue	Import/Conversion	JT
Bug	JT: PMI is hidden in Annotation views	PMI	JT
Bug	NX9 crash when converting file using linear pattern features	Import/Conversion	NX
Feature	Missing pieces from NX assembly	Import/Conversion	NX
Bug	Can't open NX 8.0 file	Import/Conversion	NX
Bug	Duplicated parts and promoted bodies support	Import/Conversion	NX
Bug	NX CAD Conversion error - Bottom half of models does not show up for model with Promote Body	Import/Conversion	NX
Bug	NX PMI: PMI are missing when activating certain views	PMI	NX
Bug	NX: Datum is not attached to the Feature Control Frame	PMI	NX

Bug	NX PMI - Missing Datum and Modifiers in FCF	PMI	NX
Bug	NX Model shows commas instead of decimal point in feature control frame	PMI	NX
Bug	Cutting plane position in PMI-Views	PMI	NX
Bug	Parasolid file import fails	Import/Conversion	Parasolid
Bug	pdf support issue	Import/Conversion	PDF
Bug	3DR PMI filtering issue in section views	PMI	PRC
Bug	3D model is not rendered correctly in perspective mode	Views	PRC
Bug	ProE part file fails to import using x64 version libraries	Import/Conversion	Pro/E
Bug	EOS: Creo PMI - Wrong filtering in views	PMI	Pro/E
Bug	case2872: Creo PMI: Welding symbol values are not well displayed	PMI	Pro/E
Bug	ProE: missing arc for angular dimension	PMI	Pro/E
Bug	Creo PMI issues	PMI	Pro/E
Bug	ProE: Interruption on a dimension leader	PMI	Pro/E
Bug	ProE: Values should have a zero before the decimal point	PMI	Pro/E
Bug	ProE: Dimensions values should not have decimals	PMI	Pro/E
Bug	ProE: Arrows are too big for GDT leader	PMI	Pro/E
Bug	ProE: Missing stub	PMI	Pro/E
Bug	ProE: Wrong filtering of driven dimensions	PMI	Pro/E
Bug	ProE: Wrong leaderline for Datum	PMI	Pro/E
Bug	Creo PMI issue: Tolerance values are bigger in 3DR than in Creo	PMI	Pro/E
Bug	Creo PMI: Question mark in PMI	PMI	Pro/E
Bug	Creo PMI issue: wrong arrow style	PMI	Pro/E
Bug	ProE Hidden PMI are shown in several views	PMI	Pro/E
Bug	ProE: Annotations should be hidden in the view by default	Views	Pro/E
Bug	PMI bugs converting Combined views from ProE: The parts of the assembly are not well filtered in views	Views	Pro/E
Bug	STEP export does no terminate	Import/Conversion	SolidEdge
Bug	Parsing error in SolidEdge assembly	Import/Conversion	SolidEdge
Bug	Converter is not honoring the show/hide status of bodies in SLDPRT	Converter	SolidWorks
Feature	STEP files with foreign characters do not display correct names in assembly tree	Converter	STEP
Bug	STEP export producing erratic file sizes	Export	STEP
Bug	Step-file cannot be imported	Import/Conversion	STEP
Bug	Some faces are missing	Import/Conversion	STEP
Bug	STEP tessellation problem	Import/Conversion	STEP
Bug	STEP file missing surfaces	Import/Conversion	STEP
Feature	STEP AP 242: color of annotation not imported	PMI	STEP
Bug	U3D Reader sometimes produces geometry with no normals	Import/Conversion	U3D

## 4.0 Improvements

The 4.0 release included the following improvements. These are incorporated in the 4.1 release.

### Templates

New PDF template files have been included to showcase the various different custom and fit-for-purpose features that can be built into a template. These samples are free to use and to build on to modify for your unique requirements.

### Format Updates

This release adds support for the following new versions of currently supported formats.

Format	New Version(s)
ACIS	Up to v23.0
Autodesk Inventor	2014
CATIA V5	V5-6R2013
Parasolid	V26.0
PRC	ISO Standard format
Solid Edge	ST6
SolidWorks	2014
STEP	AP 242
Rhino	4.5
JT Export	
VRMI Export	

The release also adds welding and frame support for the Solid Edge format.

For a complete list of supported formats and features, please see <http://www.tetra4d.com/products/conversion/3d-pdf-converter>.



## PMI Improvements

There have been significant improvements in our visual PMI support, with a particular focus on CV5, NX, and Creo formats. In addition to numerous bug fixes, we also now:

- Support exploded views for Creo.
- Users can now request that View definition with NX files honors the default application single-click view activation behavior.
- While in Creo, users can now request that the default PMI coloring is the same as the default setting in the version of Creo that authored the file.
- JT export now includes any of the PMI data that is included in the model.
- Visual Response: the link between PMI and Geometry is now honored.
- PMI Semantic details are now populated to the properties panel. These semantic details expose a variety of additional information about individual PMI elements, as a list of properties.

## Bug fixes

The following is a list of bugs and enhancements that have been incorporated in 3D PDF Converter 4.0. This list is not necessarily comprehensive.

Description	Functional Area	File Format
Export PMI: PMI is overlapping	Export	3DXML
3DXML PMI are not converted	Import/Conversion	3DXML
Hidden elements not taken into account by a capture view	Import/Conversion	3DXML
3DXML model scale and units ignored	Import/Conversion	3DXML
Samples nodes in the model tree should not be visible	Model Tree	3DXML
The length scale is not correct.	PMI	3DXML
3DXML: Wrong orientation of the part in views	Views	3DXML
SAT file cannot be opened	Import/Conversion	ACIS
Can't open SAB file	Import/Conversion	ACIS
bad import due to unsupported entities	Import/Conversion	ACIS
SAT Import Issue	Import/Conversion	ACIS
Unable to import SAT 7.0	Import/Conversion	ACIS
B-Rep is not transmitted from SAT	Import/Conversion	ACIS
Tessellation Bug	Import/Conversion	ACIS
Failed to load SAT	Import/Conversion	ACIS
ACIS File not loading	Import/Conversion	ACIS
Exporting ACIS sat file to Parasolid, Step & IGS	Import/Conversion	ACIS
ACIS File not loading	Import/Conversion	ACIS
CGR problems	Import/Conversion	CGR

CGR Import failes	Import/Conversion	CGR
Problem when opening Catia V5 file	Import/Conversion	CV5
Catia V5 R23 file incorrect in BREP loading mode and colors differ from Catia	Import/Conversion	CV5
Unable to load CV5 file	Import/Conversion	CV5
Occasional import variation	Import/Conversion	CV5
Problem about the number of the control points of NURBS surface	Import/Conversion	CV5
CATIA to Parasolid Conversion	Import/Conversion	CV5
V5 file, surfaces not importing	Import/Conversion	CV5
Unable to load CATIA file,	Import/Conversion	CV5
support for CatiaV5 R22 sp4	Import/Conversion	CV5
CATPart works in reveiwer or without PMI but not in converter	Import/Conversion	CV5
CATPart error	Import/Conversion	CV5
CATPart No Response from file	Import/Conversion	CV5
Reading failure	Import/Conversion	CV5
Unable to read CATIA v5 data	Import/Conversion	CV5
No 3D Data(structure) showing up on CATpart: Piping Support	Import/Conversion	CV5
Missing parts in CV5 assembly	Import/Conversion	CV5
Need support for CATIA V5-V6 2013 R23	Import/Conversion	CV5
It should be possible to read "locked" parameters from CatiaV5	Import/Conversion	CV5
Missing CATIA file information: locked attributes support	Import/Conversion	CV5
CatiaV5 Support of Parameters	Import/Conversion	CV5
Missing some points on CATIA V5 import	Import/Conversion	CV5
CV5 data w.PMI incorrect	PMI	CV5
CV5 PMI: Leader has a stub, it shouldn't	PMI	CV5
CV5 PMI: Misplaced Text in Notes	PMI	CV5
Missing leader line	PMI	CV5
Catia V5 PMI: an annotation should not have a stub	PMI	CV5
wrong reference plan for cv5 in PDF	PMI	CV5
Issues with the visibility of annotations within the views in a CV5 assembly	PMI	CV5
Support PMI from v5 file saved from v6	PMI	CV5
Text of cumulated dimensions not correctly placed in files from CV5	PMI	CV5
CV5 PMI - Detached datum	PMI	CV5
CV5 PMI issue - character missing	PMI	CV5
CV5 data - Plane PMI missing	PMI	CV5
Catia V5 Leader lines incorrect	PMI	CV5
Catia V5 PMI: leader line should extend past limit tolerance	PMI	CV5
PMI Cross Highlight not working when a product contains two instances of the same part	PMI	CV5
Visual Response - Wrong PMI Part	PMI	CV5

CATProdcut Assembly Level PMI not showing	PMI	CV5
PMI not showing for advanced releases	PMI	CV5
Catia V5 font issues with PMI	PMI	CV5
Missing Reference on Geometry in CV5	PMI	CV5
Support of CV5 annotation activation/deactivation	PMI	CV5
CATIA conversion ignoring View Scaling	PMI	CV5
CV5 PMI translation - leaderlines too short and misplaced	PMI	CV5
GD&T Symmetry definition issue	PMI	CV5
CV5 PMI Weld symbols and leader lines incorrect	PMI	CV5
load of unsupported version returns success code	Import/Conversion	Generic
The question about IFC rebar	Import/Conversion	IFC
Error -1 when reading IFC file	Import/Conversion	IFC
Unable to import IGES file	Import/Conversion	IGES
IGES Importer is issue	Import/Conversion	IGES
IGES from Pro/e doesn't have any data	Import/Conversion	IGES
IGES file is missing several surfaces	Import/Conversion	IGES
Problem when loading certain IGES files	Import/Conversion	IGES
Some IPT files not loading	Import/Conversion	Inventor
Error when loading IPT files	Import/Conversion	Inventor
Inventor Assembly Failing to Convert	Import/Conversion	Inventor
Inventor Failing to Convert	Import/Conversion	Inventor
Inventor Assembly Failing to Convert	Import/Conversion	Inventor
JT import issue	Import/Conversion	JT
JT parts are imported as hidden	Import/Conversion	JT
JT file won't convert	Import/Conversion	JT
Problem in JT assembly	Import/Conversion	JT
JT: PMI is hidden in Annotation views	PMI	JT
3D Reviewer Printer Setup attribute ignored	Function	N/A
translation process ends with success, most of the times the progress is bellow or above 100%	Function	N/A
Progress only reports the translation, but writing the new file to disk also takes time that is not accounted for	Function	N/A
Can't open NX 8.0 file	Import/Conversion	NX
Duplicated parts and promoted bodies support	Import/Conversion	NX
NX CAD Conversion error - Bottom half of models does not show up for model with Promote Body	Import/Conversion	NX
cannot import NX8	Import/Conversion	NX
Top Level NX file won't generate	Import/Conversion	NX
The location of the imported NX part by 3DX is not correct: support of Exploded view	Import/Conversion	NX
NX 8.5 file cannot be loaded	Import/Conversion	NX
NX 8.5 Import Failure	Import/Conversion	NX

NX PMI: PMI are missing when activating certain views	PMI	NX
NX PMI - Missing Datum and Modifiers in FCF	PMI	NX
NX Model shows commas instead of decimal point in feature control frame	PMI	NX
PMI placement issues with NX 8.5 files	PMI	NX
PMI Thread Feature Symbol is not displayed in FRONT View	PMI	NX
PMI issue - Misplaced PMI	PMI	NX
PMI - PMI region positioning	PMI	NX
NX PMI - Leader line too long	PMI	NX
Many Visual PMI Objects are missing	PMI	NX
issue with NX Datums	PMI	NX
memory leaks in NX import with PMI	PMI	NX
Parasolid file import fails	Import/Conversion	Parasolid
Problem in importing Parasolid Holes	Import/Conversion	Parasolid
problem during Parasolid file import	Import/Conversion	Parasolid
remove brep in pdf files not working	Function	PDF
Views missing in View List	Function	PDF
Lights settings make models very dark	Function	PDF
pdf support issue	Import/Conversion	PDF
Acrobat crashes when selecting template	Import/Conversion	PDF
PDF : U3D cannot be opened in 3DR: unknown format	Import/Conversion	PDF
Infinite loop when trying to open the attached PRC & PDF file	Import/Conversion	PRC
3D model is not rendered correctly in perspective mode	Views	PRC
Color bugs on ProE parts	Import/Conversion	Pro/E
Color issue on a Pro/ENGINEER part	Import/Conversion	Pro/E
Incorrect colors in converted Pro/E file	Import/Conversion	Pro/E
Extra data get converted for that Pro/E part	Import/Conversion	Pro/E
Pro/E piping elements not correctly converted	Import/Conversion	Pro/E
Failed to load PRT: Pro/E	Import/Conversion	Pro/E
.xas file is not loaded	Import/Conversion	Pro/E
Missing geometry from Creo for flexible Parts	Import/Conversion	Pro/E
Section views are missing	Import/Conversion	Pro/E
Face names not transferred from Pro-E	Import/Conversion	Pro/E
Creo PMI - Wrong filtering in views	PMI	Pro/E
Creo PMI: Welding symbol values are not well displayed	PMI	Pro/E
ProE: missing arc for angular dimension	PMI	Pro/E
Creo PMI issues	PMI	Pro/E
Creo PMI issue: Tolerance values are bigger in 3DR than in Creo	PMI	Pro/E
Creo PMI: Question mark in PMI	PMI	Pro/E
Creo PMI issue: wrong arrow style	PMI	Pro/E

ProE Hidden PMI are shown in several views	PMI	Pro/E
Display problems with PMIs in resulting pdf files of Creo Parametrics file conversion.	PMI	Pro/E
Creo PMI: Support of Ordinate Dimensions	PMI	Pro/E
Annotation Text Size	PMI	Pro/E
CREO Views in 3D PDF	PMI	Pro/E
PMI filtering is incorrect when activating Creo views	PMI	Pro/E
Creo PMI: PMI Size Font is too big	PMI	Pro/E
References to construction planes instead of topology	PMI	Pro/E
Missing references on geometry	PMI	Pro/E
Problem with ordinate dimensions	PMI	Pro/E
PMI Creo conversion issues	PMI	Pro/E
ProE Creo Datums	PMI	Pro/E
3DPDFC - prb in views on ProE files	PMI	Pro/E
ProE Exploded view is not well managed for this sample file	PMI	Pro/E
Missing references on construction planes in ProE/Creo	PMI	Pro/E
Pro-E bugs on PMI: wrong text size and problem on welding symbol	PMI	Pro/E
Problem with references on spherical topology	PMI	Pro/E
Creo PMI: PMI End line (arrow) is too big	PMI	Pro/E
Creo Dimensioning PMI Diameter - Radius	PMI	Pro/E
Creo PMI: Orientation of Dimension is Wrong	PMI	Pro/E
Creo PMI Issues	PMI	Pro/E
PMI tolerances missing for CREO file	PMI	Pro/E
Pro/E section views are no longer converted	PMI	Pro/E
Creo PMI: Incorrect digit number for dimensions	PMI	Pro/E
PMI text is dim when zoomed out	PMI	Pro/E
Backdoor explode and assembly data dump	PMI	Pro/E
PMI bugs converting Combined views from ProE: The parts of the assembly are not well filtered in views	Views	Pro/E
ProE - Hidden parts are shown in several views	Views	Pro/E
PMI bugs converting Combined views from ProE: support of exploded view	Views	Pro/E
Parsing error 35 in SE assembly	Import/Conversion	SolidEdge
Loading attached SolidEdge file results in error code	Import/Conversion	SolidEdge
Duplicated part due to simplified object not detected	Import/Conversion	SolidEdge
Construction and reference detection issue	Import/Conversion	SolidEdge
Duplicated part in assembly due to heritage issue ("higher level" assembly heritage option)	Import/Conversion	SolidEdge
Property conversion is invalid.	Import/Conversion	SolidEdge
Issue with parts only showing up as construction elements	Import/Conversion	SolidEdge
Solid Edge Assembly file bugs when loading	Import/Conversion	SolidEdge
Solid Edge import issue	Import/Conversion	SolidEdge

Solid Edge import issue	Import/Conversion	SolidEdge
Support of SolidEdge adjustable assemblies	Import/Conversion	SolidEdge
Visibility issue on sub parts of a SolidEdge assembly	Import/Conversion	SolidEdge
Solid Edge st1 missing transforms	Import/Conversion	SolidEdge
SolidEdge option open/closed displayed	Import/Conversion	SolidEdge
SolidEdge wrong size of welding seam	Import/Conversion	SolidEdge
Simple .par file does not convert	Import/Conversion	SolidEdge
SolidEdge Frames are displayed wrong	Import/Conversion	SolidEdge
Configurations in SolideEdge: part should be displayed with an offset to the right	Import/Conversion	SolidEdge
SolidEdge Conversion error	Import/Conversion	SolidEdge
SolidEdge files generate Parse Error	Import/Conversion	SolidEdge
A part of geometry is scaled incorrectly after import from .SLDPRT file.	Import/Conversion	SolidWorks
Property issue of the multi-instantiated parts on the SW file	Import/Conversion	SolidWorks
Solidworks Import Surface Failure	Import/Conversion	SolidWorks
ANSI <-> UTF8 problem in attributes (Solidworks)	Import/Conversion	SolidWorks
missing solidworks attributes	Import/Conversion	SolidWorks
Some faces are missing	Import/Conversion	STEP
STEP tessellation problem	Import/Conversion	STEP
STEP file missing surfaces	Import/Conversion	STEP
Problem reading STEP file	Import/Conversion	STEP
STEP import artifacts	Import/Conversion	STEP
STEP AP 242: color of annotation not imported	PMI	STEP
Error when loading STL file	Import/Conversion	STL
STL file fails to convert.	Import/Conversion	STL
STL file with extra number after "endfacet" not opening.	Import/Conversion	STL
Error reading PDF file	Import/Conversion	U3D
Solidedge to X3D: Attributes get lost	Export	X3D
Error when loading XT file	Import/Conversion	XT
Rhino File not importing	Import/Conversion	