

FACTSHEET

3D PDF Application Converter

Conversion to 3D neutral formats



What is 3D PDF?

For the construction of your products more and more 3D capable CAD systems are used. The benefit through these 3D data cannot only be used in the construction and development department, but also in other divisions. Assembly, documentation, procurement, marketing, sales, spare time delivery and more can use the advantages during their daily work.

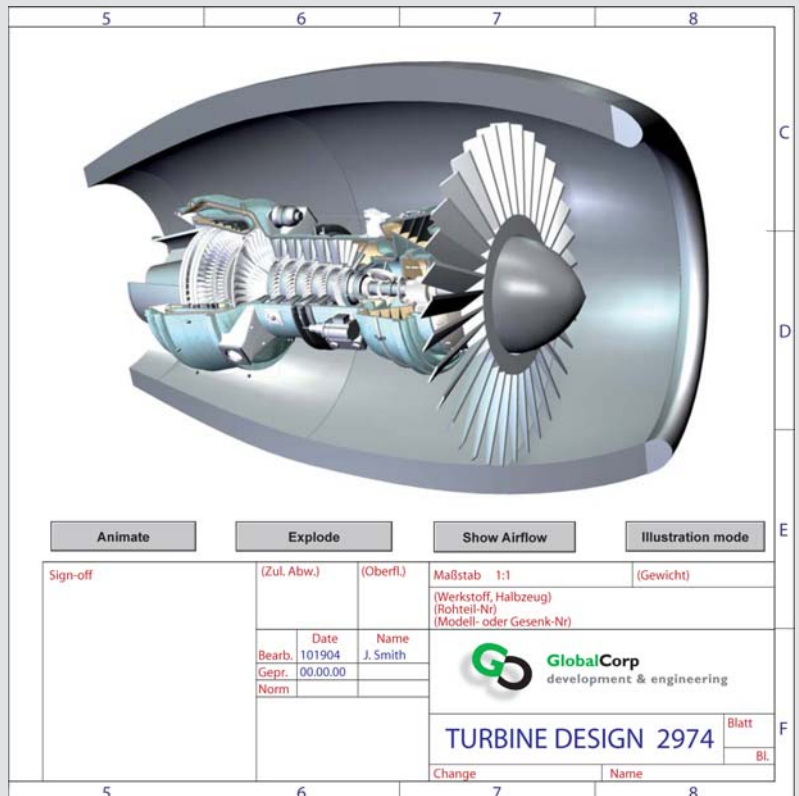


What does 3D PDF application converter do?

Besides the development and construction departments the usage of 3D data is not necessary in CAD applications. CAD work places are expensive, have a complicated handling and offer more functions as often needed.

The solution is the usage of 3D neutral formats. The standard of 2D data is PDF (formerly TIFF) and the 3D world is using more and more 3D PDF.

3D PDF is defined in an open specification and is an independent and international standard. There are free-of-charge viewing tools. The precise display of geometrical data enables digital mock-up applications and information exchange for delivery chains. 3D PDF is perfectly suited for product documentation, because all functions of the PDF standard are available.



Advantages

- + 3D CAD constructions are available in neutral format
- + Access to Product Manufacturing Information (PMI) and structure
- + Annotations directly on the 3D object
- + Measuring and cutting possible
- + Free viewer available.

3D PDF Application converter

Important functions

- Through conversion of 3D CAD models to 3D PDF the user gets a versatile usable neutral format.
- With the 3D PDF the user has also access to the PMI and structure information.
- For continuing further development of the displayed CAD model, annotations can be directly added on the 3D object at the relevant positions.
- For additional viewing of geometrical data it is possible to set section cuts, which can be measured then.
- For viewing of the 3D PDF Acrobat Reader or other free-of-charge viewers are available.

Input formats and output functions

Product	Output	Format	Output
ACIS	B-Rep	3D-XML	PMI
Catia V4	PMI	Iges	B-Rep
Catia V5	PMI	STL	Tess
Catia V6	PMI	CGR	Tess
Ideas	PMI	U3D	Tess
Inventor	Tess	Step	B-Rep
NX	PMI	IFC	Tess
Parasolid	B-Rep	JT	PMI
Creo Param	PMI	PRC	PMI
Creo Elements	PMI	VDA-VS	Tess
Pro/E	PMI		
SOLIDEDGE	B-Rep		
SOLIDWORKS	B-Rep		

PMI: tessillated and B-Rep representation, and PMI available
B-Rep: tessillated and B-Rep representation
Tess: only tessillated representation
Exact version on inquiry

Additional functions

- Offline view of additional data from the CAD management system
- Display of motion sequences at assembling, maintenance or operation of the displayed module with animations
- Step-wise operation together with attached views for showing the operation step
- Pre-configured, different views of the same building part

Output formats

3D PDF to ISO 32.000-1 with embedded Universal 3D (U3D) or Product Representation Compact (PRC), each according to CAD system also with PMI. Dependent on the CAD system the PDF is tessellated or according to exact B-Rep format.

System environment

See all details for recommended computer equipment under www.sealsystems.com/computer-equipment/

Product code

3DPDF-Base and 3DPDF-CLx

Licensing

Each server with maximal 2 Core CPUs, each input format.

User licenses on request..

Uwe Wächter and Debra Garls are specialist for your questions concerning:

Conversion and PDF processing



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