

FACTSHEET

SOLIDWORKS Format Converter

Application converter for SOLIDWORKS



What is SOLIDWORKS Format Converter?

To meet security requirements of long term archiving, secure document formats are necessary and must remain available for viewing after many years of storage. Proprietary application data does not fulfill this requirement. Quite often these formats have no open specification or go through numerous changes with each new version, thus restricting third party development around them and effectively nullifying long term readability.

Neutral long term archiving formats, like PDF and TIFF/G4, provide relief. These formats are open and standardized by industry or ISO organizations. Due to their characteristics, these formats are quite often called "digital paper".



What does SOLIDWORKS Format Converter do?

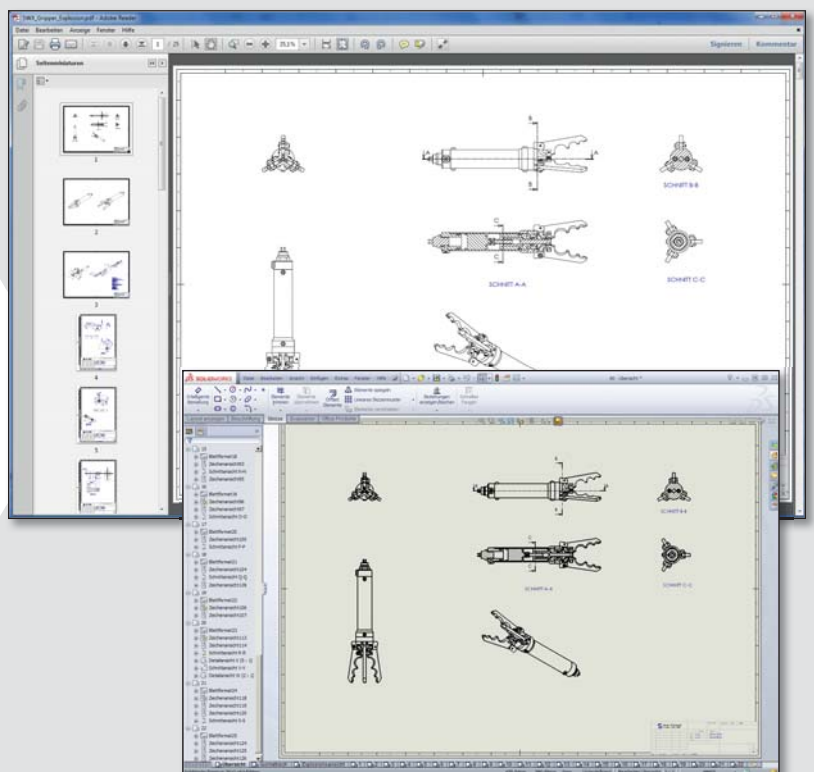
The application converters from SEAL Systems are designed and developed specially to convert application data into digital paper formats. These converters can run in batch mode and can therefore be integrated into any conversion process. For example, in the SAP PLM environment, the converters can be triggered by the status change of a document. This can be part of a release workflow process, automating the creation of digital paper like TIFF/G4 or PDF when a drawing is released. The SEAL Systems converters can be integrated into any PLM solution.

Optionally a refileing of data stocks is possible.

Benefits

The creation of digital paper can be automated using SEAL Systems application converters. The converters can be integrated into bulk loading processes for digital archive or document management systems. They can easily be integrated into any workflow process for the automatic production of long term archive formats.

Digital paper like TIFF or PDF fulfills the requirements for long term archiving. It is not modifiable and can be viewed, on demand, with free viewers – at any time, at any place, by all authorized users. An automatic migration of files of former versions to newer versions is optionally available.



SOLIDWORKS Application Converter

Advantages

- Automatic creation of digital paper (PDF or TIFF) guarantees the availability of readable documents over many years, even after the original application data format may have been altered in many releases and the original application may no longer be available.
- Through the integration of the converter into the state change process of PLM systems the availability of digital paper can be assured and ISO 9000 compatible processes can be implemented.
- Open interfaces enable the integration into several system environments – a great benefit and a protection of the investment can be realized.
- The long standing experience of SEAL Systems in the field of conversion and digital archives guarantees competence in consultancy and project quality.
- Integrated solutions from a single vendor – SEAL Systems delivers the complete conversion workflow.

Licensing

For each server, where the application converter is installed, a license is required.

Related products

3D PDF, CAC-DMS, CISE, CIDWG, JT

Product code

CISW

System environment

SOLIDWORKS 2011–2015, 32 Bit and 64 Bit version (as of 2015 only 64 Bit).

Windows 7: only Professional, Ultimate and Enterprise versions, 32 Bit and 64 Bit version.

Input formats

SOLIDWORKS Drawings (file type SLDDRW), Parts and Assemblies (file types SLDRPRT, SLDASM).

Output formats

DWG, DXF, eAsm, eDrawings, ePart, Iges, JPEG, PDF/A, Step, VRML (optionally 3D PDF and JT)..

Supported functions

- Support of multi-sheet drawings (multi-sheet-input <> multi-sheet-output or single sheet output).
- Sheet filter support.
- Update of file properties (Drawings and models), e.g. for the automatic title block update.
- Many configuration and control possibilities through ini-files and process parameters
- Logfile support for protocols and analysis
- Export of 2D and 3D files into all SOLIDWORKS-supported formats, for example PDF, DWG, DXF, eDrawings, ePart, eAsm, STEP, IGES, VRML, JPG etc.
- Optionally additional thumbnail images can be created

Process

The application converter is started via a batch interface:

- This interface is started with the application data (DWG or DXF) plus control parameters.
- SOLIDWORKS is automatically started.
- The requested drawing is loaded.
- The appropriate settings are processed, based on the control parameters settings.
- The size of the drawing is calculated.
- The output of the drawing occurs on the requested output device.

In the following step the graphics format is converted to digital paper using a graphics converter.

The digital paper version is then automatically stored back into the PLM. Note that the complete conversion operation from selecting the application data to the creation of digital paper is performed in a single closed process.

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

Conversion and system integration



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We would be happy to answer all of your questions around conversion and integration in your company.

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