



FACTSHEET

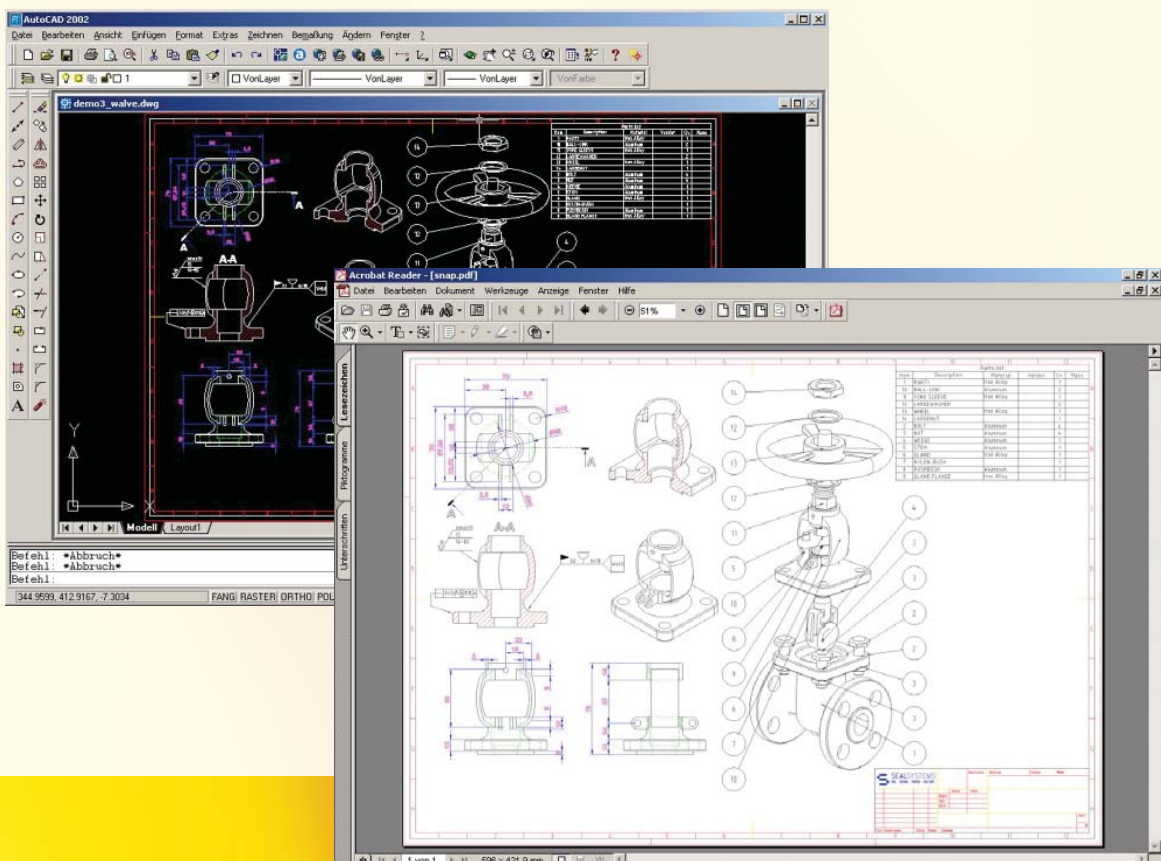
Conversion

APPLICATION CONVERTER → AUTOCAD® AND DXF-FORMAT

// 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/A 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“.

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.



System-Integration AutoCAD

::: BENEFIT

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.

The AutoCAD application converter can also be used for multi-sheets. During the conversion process an update of properties can be performed. All layers can be variably switched off or on. This makes them visible or not in the output file.

::: OPERATION

For conversion always the original application (author system) is used in order to generate an output file. This file is identically the same as the printed one.

By using the original application a graphical header is generated from the application data. This header is used as the input for another call of a format converter from SEAL Systems (for example gXconvert). The complete process started with the application data to the final digital paper is a closed DPF process (Digital Process Factory®).

::: INPUT FORMATS

AutoCAD DWG and AutoCAD DXF up to AutoCAD release 14.

::: OUTPUT FORMATS

PDF, PDF/A, TIFF, CALS, BMP. Others on request. Export as DWF and DXF.

::: IMPORTANT CONTROL PARAMETERS

- Input file
- Output file
- Working directory
- Print style
- Log file
- Parameters for size identification

::: SUPPORTED AUTOCAD FEATURES

- Print style
- Reference
- Proxy elements
- MultiLayout support
- Title Block Attribute Update
- Layer Management (language layer control)

::: PRODUCT CODE

CIDWG

::: AUTOMATIC SIZE IDENTIFICATION

The full scale of a drawing is no characteristic item of the AutoCAD file. Thus it must be determined automatically. The application converter supports many methods for the size identification:

- Format identification of the frame block
- Identification of LIMITEN and DIMSCALE
- Format identification of standard measures
- 10 methods for size identification in descending order

The identification takes place in the model or layout range according to the storage of the AutoCAD file.

::: SYSTEM ENVIRONMENT

Windows XP Professional, Windows 7 Enterprise/Ultimate 32 BIT and 64 Bit. AutoCAD 2007 til AutoCAD 2012 32 Bit and 64 Bit.

::: RELATED PRODUCTS

CAC-DMS
Integration in SAP DMS
Conversion Server

DOC4TC
Integration in Teamcenter

::: LICENSING

For each server, where the application converter is installed.