

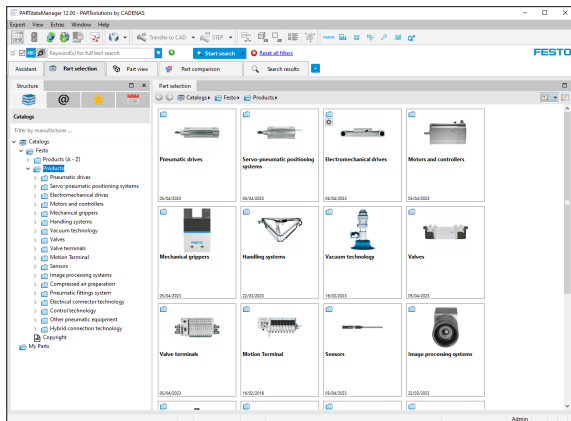
2D/3D CAD data Festo PARTdataManager

FESTO



Festo PARTdataManager

2D/3D CAD data – now even faster and easier



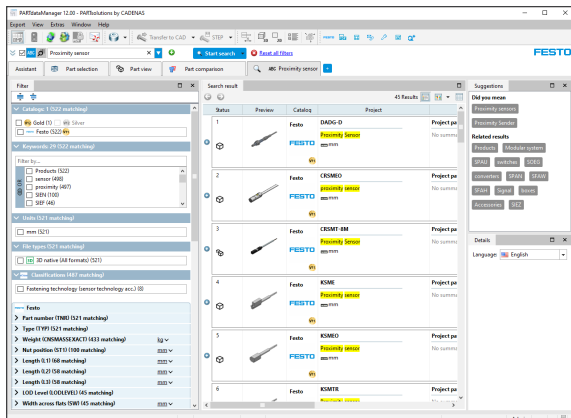
Reduced workload thanks to
2D/3D CAD data for more than
33,000 products.

The utilised CAD technology makes it possible for you to generate multi-CAD compatible CAD data. Both neutral and native CAD formats can be generated – entirely in accordance with your needs. Festo PARTdataManager can be installed as a separate application.

2D/3D CAD interfaces for:

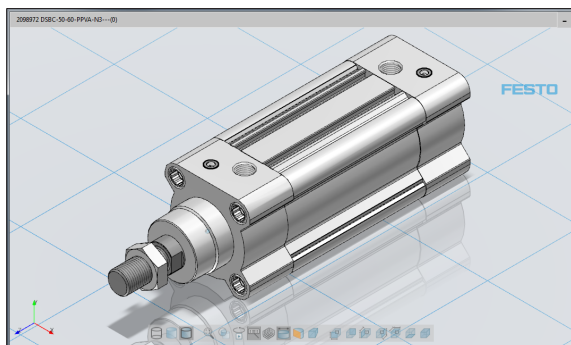
- AutoCAD®
- Autodesk® Inventor™
- CATIA® V5
- Creo®
- Pro/ENGINEER®
- NX™
- SOLID EDGE®
- SolidWorks®

CAD Data by Festo SE
CAD Technology powered by
CADENAS GmbH© 2025

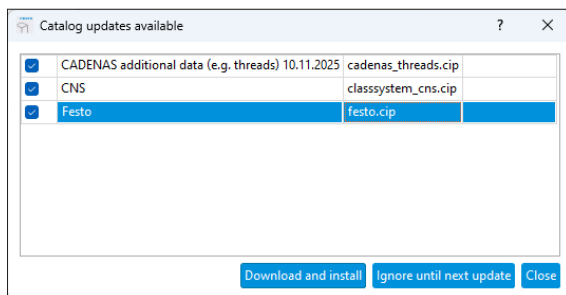


Take advantage of comprehensive full-text searches, e.g. for part numbers or product lines. Navigate through products sorted according to categories, set up your own favourites or start a search with a keyword such as “gripper”. Create 2D drawings with frame and layer settings in accordance with your requirements.

Visit our website at www.festo.com. Here you will find screen videos which quickly and simply explain the functions of this version.



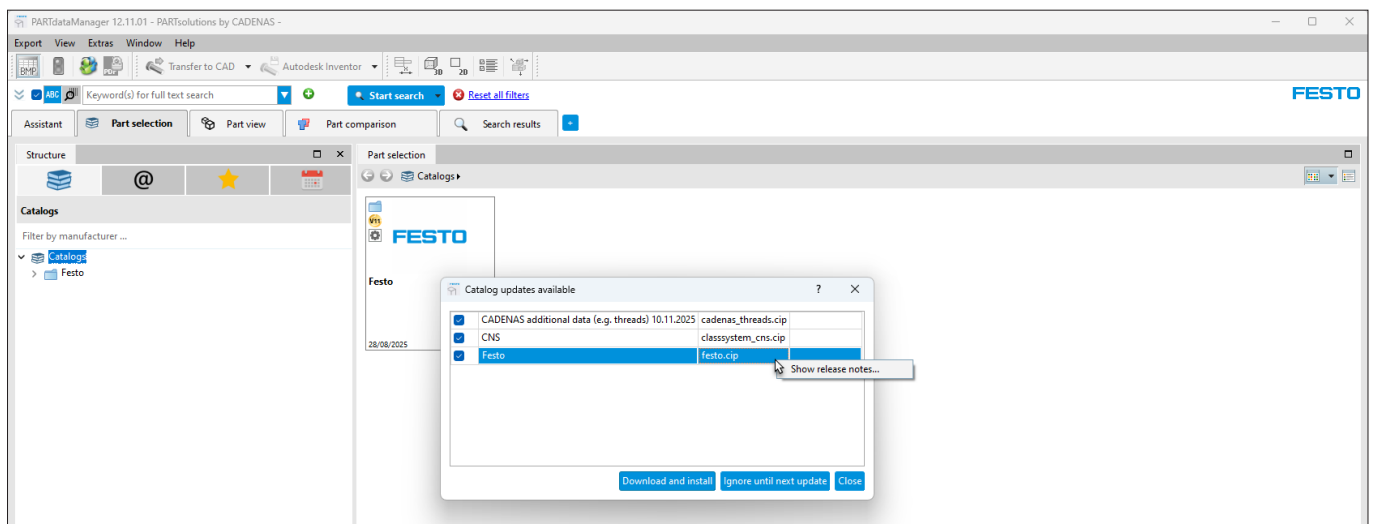
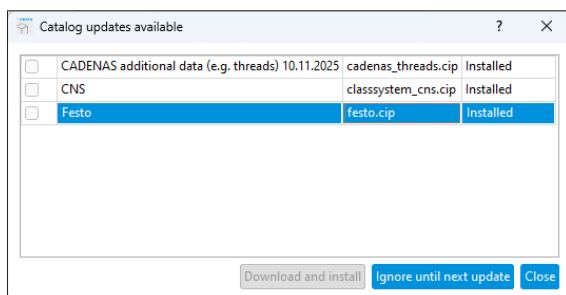
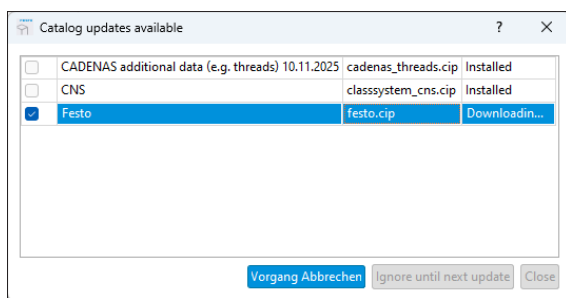
Always the latest data, thanks to intelligent online update



When you start Festo PARTdataManager, you are automatically notified of updated data. The latest CAD data can be downloaded with a single click.

- Fast
- Safe
- Right up to date

www.festo.com/partdatamanager



Festo CAD plug-in

Festo's CAD plug-ins assure a reliable link between the Festo PARTdataManager and your CAD system.

A Festo menu is added to your CAD system, by means of which part selection is seamlessly integrated.

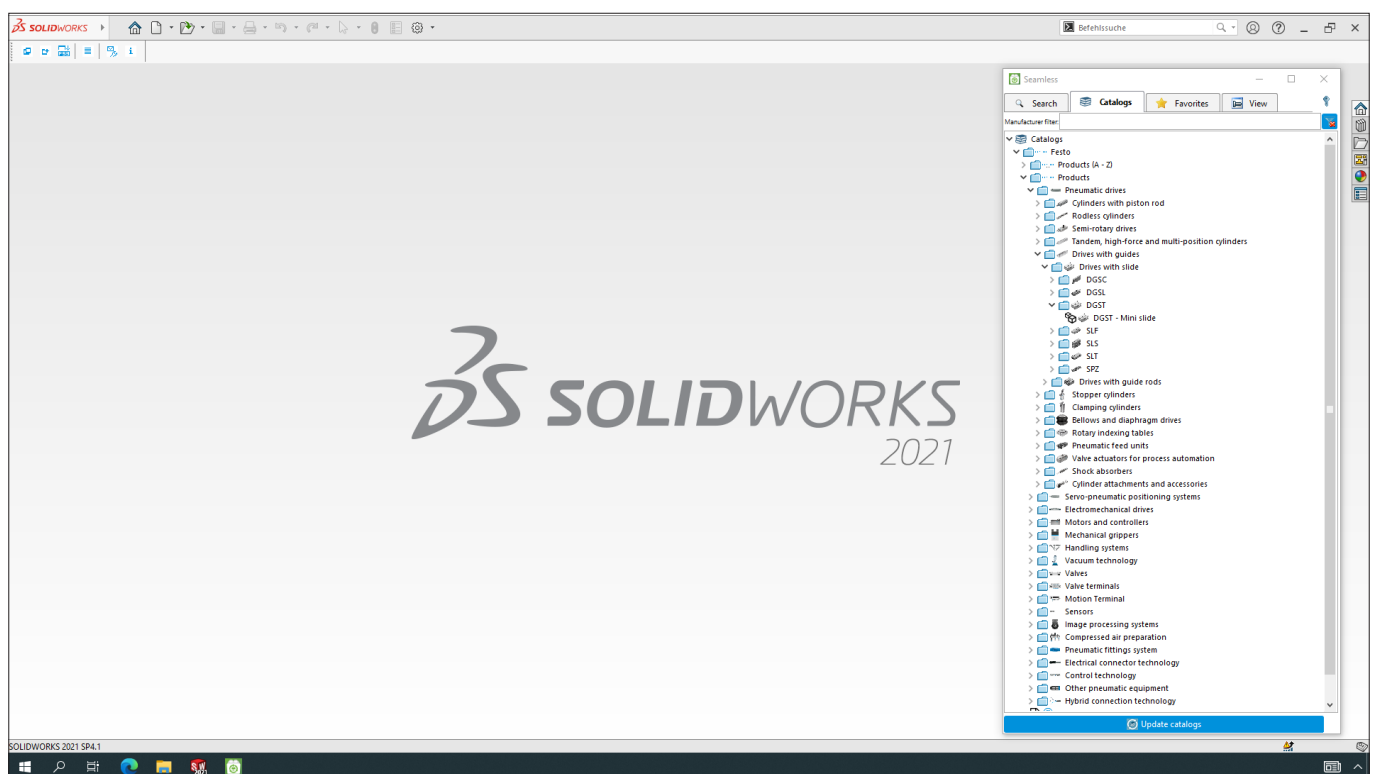
The CAD plug-ins can be selected during the installation of Festo PARTdataManager.

Advantages:

- Much faster component modelling
- Quick assembly layouts including matings
- Use of your own system templates
- Individualised configuration of interface settings

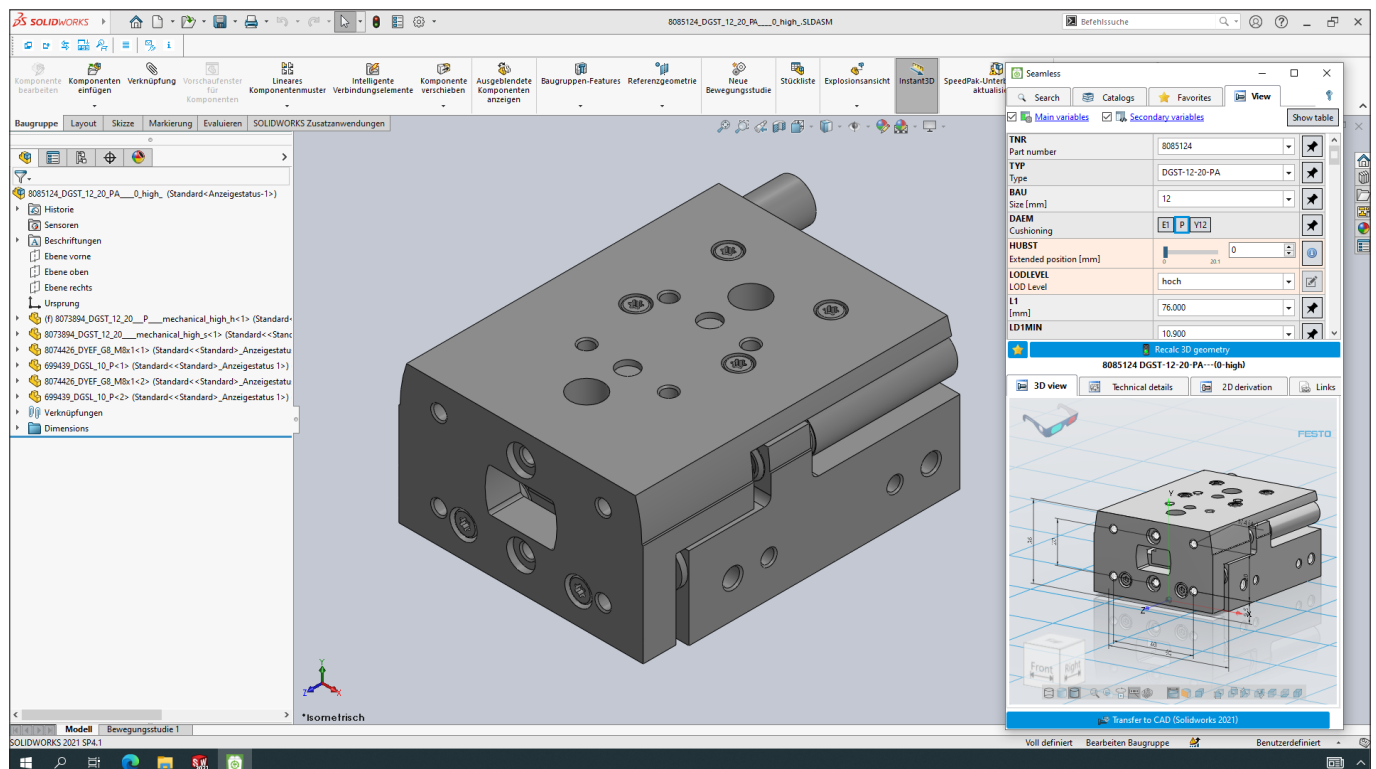
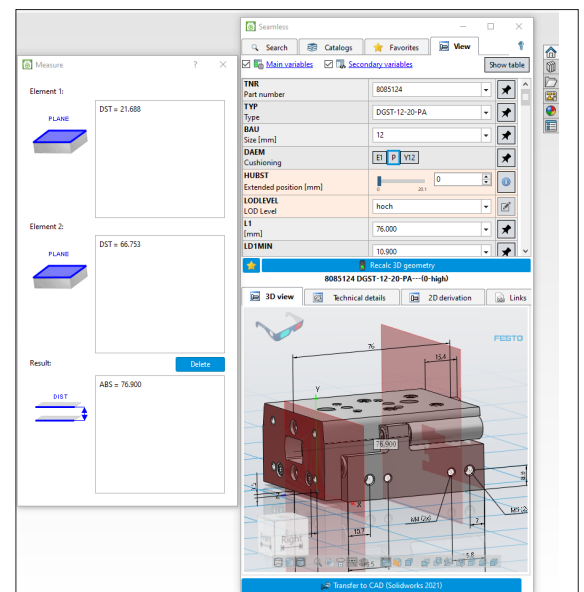
Festo CAD plug-in for:

- AutoCAD®
- Autodesk® Inventor™
- Creo®
- Pro/ENGINEER®
- NX™
- SOLID EDGE®
- SolidWorks®



Festo's CAD plug-ins allow for a complete product selection process within the CAD system.

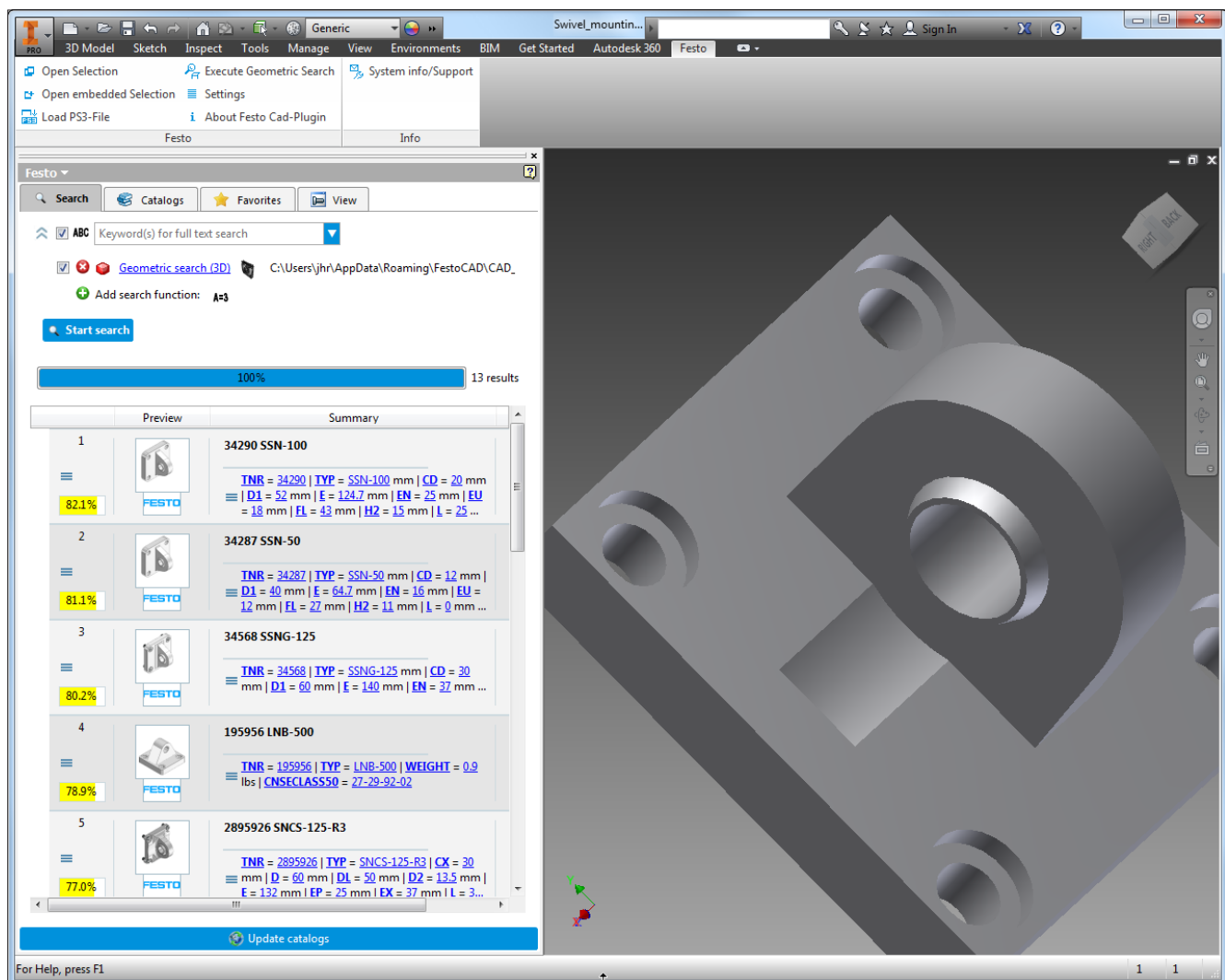
For example, the selected product can first be measured in 3 dimensions, and is only generated in the native format if it complies with engineering requirements. The engineer remains within the CAD system's user interface throughout the entire process. There is no bothersome changing back and forth between various applications.



Seamless integration into Autodesk® Inventor™

Search for geometrical similarity

Load an available CAD model
and use the geometrical search
to find similar Festo products.
This function can be used both
within the CAD plug-in and
also in Festo PARTdataManager.



Overview of supported CAD systems

The table shows the CAD systems for which the native CAD interfaces can be used.

Festo PARTdataManager updates are no longer required in order to use the CAD interface in the latest version of the CAD system.

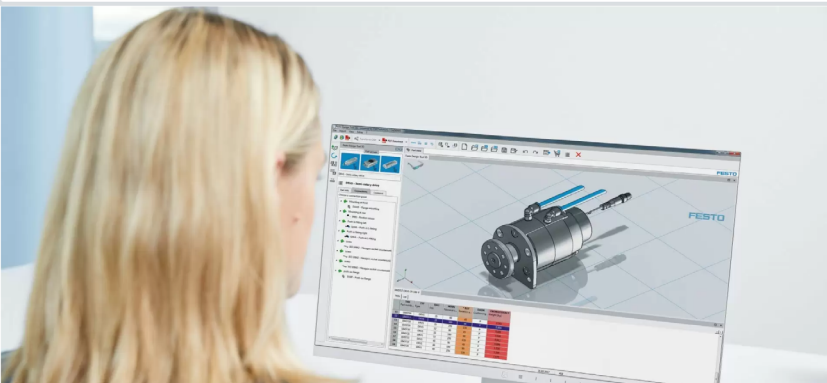
CAD	Version
AutoCAD	≥ 2021
Creo Parametric	≥ 8.0
Inventor	≥ 2021
Siemens NX	≥ 2007
Solid Edge	≥ 2021
Solid Works	≥ 2021

www.festo.com/cad

Take advantage of our CAD offerings on the Internet.

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Search for products, topics, or downloads



Home > Support > Conceptualization and design > Design

Services for design

Make your work easier and also safer: practical tools from Festo handle routine tasks for you and allow CAD data to be integrated directly into the design software. EPLAN macros simplify and speed up your electrical designs and FluidDraw helps you to quickly create electrical and pneumatic circuit diagrams.

The right tools for every product

You will find more free resources and software tools to simplify the design process in the Festo product area. Together with detailed product information (including tools for sizing, simulation and selection), the appropriate CAD and ECAD data is assigned to every product by part number or order code.

[Directly to the product selection](#)

Further useful tools for design

[Quick Search Plus](#) ▾

More than 220,000 downloads are started each month by users who access the latest CAD data directly via our website. Take advantage of this opportunity and select your preferred format from more than 45 available exchange formats – including new native formats. Click on the button “i-button” above the selection box of the data formats for further details.

CAD data are available for more than 33,000 products in several hundreds of thousands of variants via e-mail, download or direct to CAD function (PART2cad).

CAD for Standards-based cylinder DSBC-50-70-PPVA-N3 #2098973

Name Festo CAD Team
e-mail design_tool@festo.com

Selection ☒ CAD archive [+ add to CAD archive](#)

Part number 2098973
Order code DSBC-50-70-PPVA-N3
Level of detail **high**

Get data
[By e-mail](#)
[Download](#)
[Enter on CAD system](#)

CAD system	CAD format
Adobe PDF	3D COLLADA 1.5 (*.dae)
AutoCAD	3D DXF Version 2013 (*.dxf)
CATIA	3D DXF Version 2010 - 2012 (*.dxf)
Creo	3D DXF Version 2007 - 2009 (*.dxf)
Digital Twin	3D DXF Version 2004 - 2006 (*.dxf)
EPLAN	3D IGES (*.igs)
Inventor	3D Parasolid Binary V15 (*.x_b)
NX (Siemens)	3D Parasolid Text V15 (*.x_t)
OneSpace Designer	3D SAT V7.0 (*.sat)
SolidEdge	3D STEP AP214 (*.step)
SolidWorks	3D STEP AP203 (*.stp)
... other CAD systems	3D STL (*.stl)
Neutral 3D	3D VRML v2 V1.0 (*.vrl)
Neutral 2D	3D WebGL HTML (*.html)

3D CAD Preview [Update](#)



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2D/3D CAD formats on the Internet at www.festo.com

Neutral formats

Neutral formats such as SAT, STEP, IGES and DXF can be used in almost any CAD system.

Native formats

As opposed to neutral formats, native CAD formats offer several advantages:

- Part numbers and ID codes are integrated into the CAD model and the model's filename.
- No imported geometry, but rather dynamically generated data
- Part history
- Components which are fixed in space, as well as moving components such as extendable piston rods
- Component links (constraints, mates)
- Bill of materials information for collision relevant components
- Minimal file size

Macro-formats

These offer the same advantages as native formats, except that no component mates are possible. In some cases, this format cannot be used with the "open file" dialogue in the CAD system.

Advantage:
CAD data can be generated in your own start template.

Native				Neutral			
2D		3D		2D		3D	
Software	Version	Software	Version	Software	Version	Software	Version
AutoCAD	≥ 2004	3D Studio MAX		BMP (2D view)		AutomationML	
CATIA IUA*	V4	AutoCAD	≥ 2004	BMP (3D view)		DWG	2004 – 2013
HP ME 10	≥ V9	Caddy++	SAT-V4.2	DWF	ASCII 5.5	DXF	2004 – 2013
		CATIA*	≥ V5 R8	DWF	Binary 5.5	GL Transmission Format glTF	
		CATIA**	≥ V5 R8	DWF	Compressed 5.5	IGES	
		CATIA IUA*	V4	DWG	2004 – 2013	JT	
		CoCreate Modeling*	≥ 2007	DXF	2004 – 2013	Metafile	V2
		Creo Elements/Direct Modeling*	≥ 17	HPGL	V2	Parasolid Binary	V15
		Creo Elements/Direct Modeling**	≥ 13	JPEG (2D view)		Parasolid Text	V15
		Creo Parametric	8 – 11	JPEG (3D view)		PDF	≥ 7.01
		Creo Parametric**	≥ 8	Metafile	V1	SAT	V7.0
		COLLADA	COLLADA 1.5	Metafile	V2	STEP	AP203
		IFC2x mesh		SVG		STEP	AP214
		Inventor	2021 – 2024			STEP	AP242
		Inventor**	≥ 2021			STL	
		MegaCAD	SAT-V2.0			Universal Scene Description USD	
		Siemens NX	2007 – 2406			VRML	≥ V1.0
		Siemens NX**	≥ 2007			Wavefront Adv. Visualizer	
		SolidEdge	2021 – 2024			WebGL HTML	
		SolidEdge**	≥ 2021			XGL	
		SolidWorks*	≥ 2001				
		SolidWorks**	≥ 2021				
		Think3	≥ 2006,2				

*Makro-Format **Direkt to CAD function (PART2CAD)

CADENAS UNITES

COMPONENT MANUFACTURERS & SUPPLIERS
WITH THE INDUSTRY!

CADENAS SOLUTIONS
for **industrial buyers** of components

THE STRATEGIC PARTS MANAGEMENT

Sustainable cost reduction of standard, supplier and company parts for engineers and purchasers.



THE GEOMETRIC SIMILARITY SEARCH

Find available CAD geometries in a smart way and classify them semi-automatically.



CADENAS SOLUTIONS
for **manufacturers & suppliers** of components

THE ELECTRONIC PRODUCT CATALOG



The software solution to create and promote Electronic CAD Product Catalogs.

THE SUPPLIER PORTAL

The platform improves the communication to external suppliers.



THE VERTICAL MARKETPLACES



Numerous online marketplaces to multiply your Electronic CAD Product Catalog.

THE PURCHINEERING CONCEPT

Improves the cooperation between purchasing and engineering.



(image source: CANVAS GmbH)

CADENAS Technologies AG

CADENAS is a leading software developer in the fields of strategic parts management and reduced parts multiplicity (PARTsolutions), as well as electronic CAD product

catalogues (eCATALOGsolutions). With its custom tailored software solutions, the company creates a link between component manufacturers and their products, and the users.

With 300 employees at 14 international locations since 1992, the name CADENAS (Spanish for process sequences) stands for success, creativity, consultancy and process optimisation.

PARTsolutions – strategic parts management

70 % of all readily influenced, overall product costs can be traced back to planning during the R&D stage, and can be reduced by means of strategic parts management.

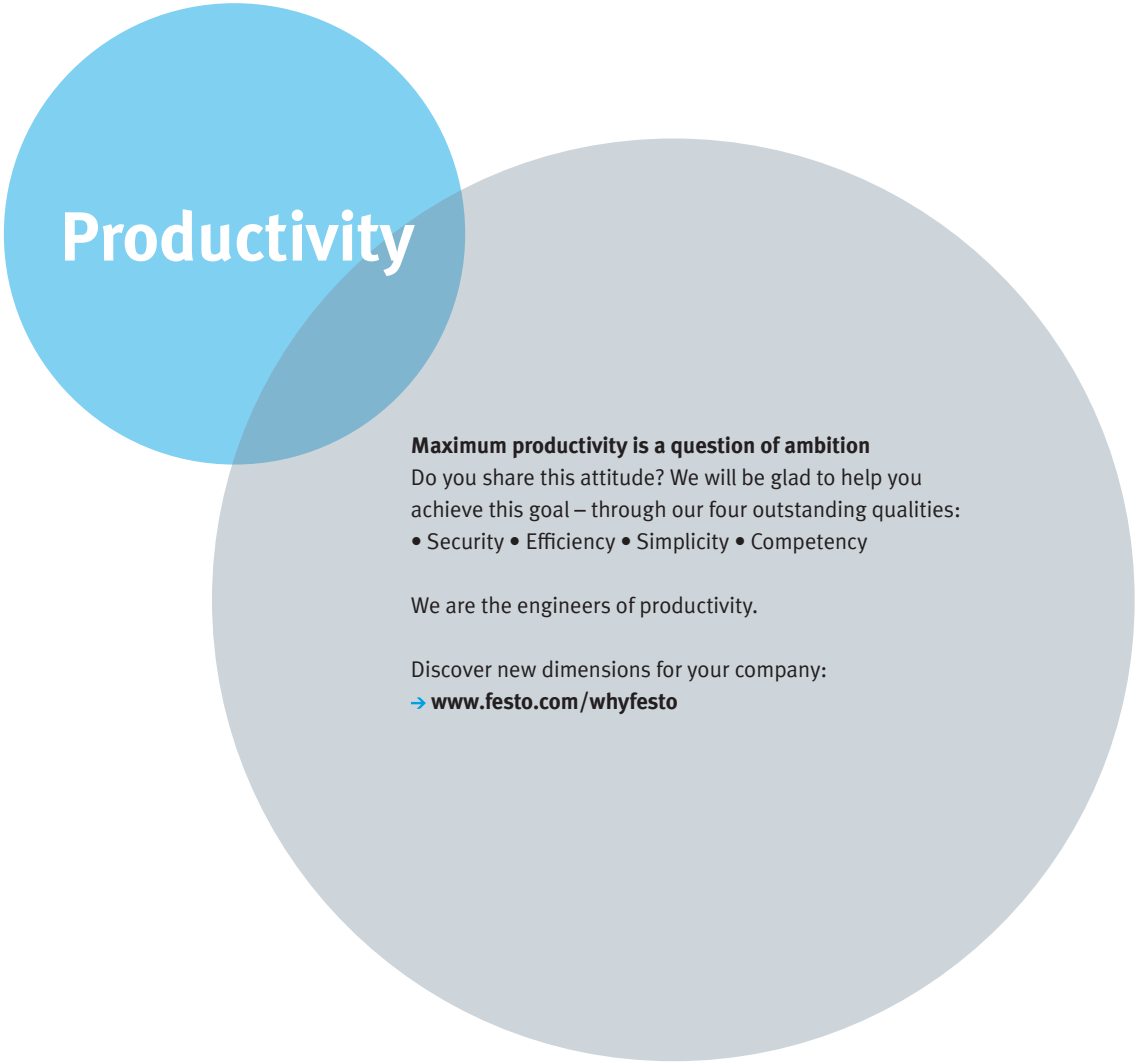
At modern companies, the PARTsolutions strategic parts management system contributes to making components and standard parts easy to find, reducing their multiplicity and managing them. PARTsolutions

software is seamlessly integrated into the process sequence, and thus covers the entire cycle.

Thanks to a link from PARTsolutions to data sources to existing CAD and ERP systems, users are provided with all functionrelated information at a single glance for researching and selecting parts.

Strategic parts management means:

- Costs are effectively and sustainably reduced.
- Processes are accelerated.
- The multiplicity of parts is reduced by means of consolidation.
- All information at a glance
- Finding instead of searching
- More elbowroom for creative ideas = engineering instead of administration
- Conserves company resources



Productivity

Maximum productivity is a question of ambition

Do you share this attitude? We will be glad to help you achieve this goal – through our four outstanding qualities:

• Security • Efficiency • Simplicity • Competency

We are the engineers of productivity.

Discover new dimensions for your company:

→ www.festo.com/whyfesto