



CADENAS Technologies AG **CADENAS** Gruppe

CADENAS

SETTING STANDARDS

Company & Logo



Founded in 1992 100 % privately owned **Process chains** (CADENAS hisp. chains)

Your speakers



Thomas Lang Branch Manager



Employees



 ~ 300 worldwide





CADENAS business divisions

Connects manufacturers and industry

CADENAS

SETTING STANDARDS

eCATALOG

THE ELECTRONIC PRODUTCT CATALOG

PARTS MANAGEMENT

COMPONENT MANUFACTURERS



> 600 catalog manufacturers from all industries cooperate with CADENAS

Potential (in general)

Engineers and purchasers

PARTsolutions > 450.000 PARTcommunity > 8.800.000

APP "CAD Models" > 450.000

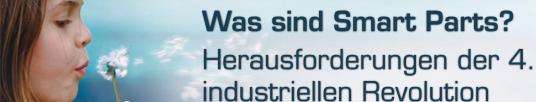


- > 10.000 companies with
- > **450.000 users** utilize our parts management system PARTsolutions.

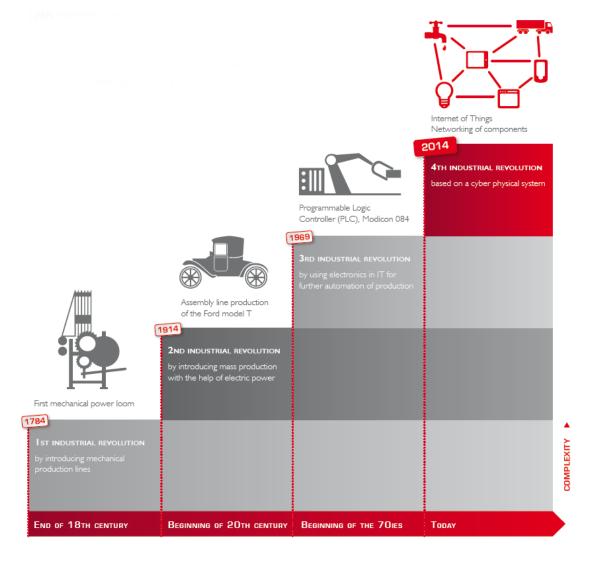
154 of them are among the **TOP 1000 global players** from Germany

Purchase and engineering departments use CADENAS very frequently for product design as well as manufacturing equipment and tooling in ET/NT and KT!











The more components communicate with each other, the more intelligent digital data has to be







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Neutral CAD Format

Simple CAD model, the engineer has to convert and rework and enrich with further manufacturer information first.



VS

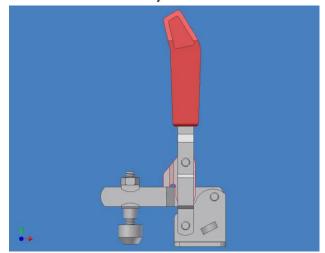
Native CAD format Intelligent CAD model with all design information that can be used immediately in the design without any search effort. **I**mmediate

Post-processing: 12 MINUTES

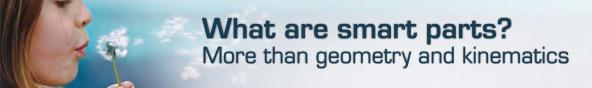
"Technology from the last century"



3D model by CADENAS









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Kinematics information trajectory

Symbols and attributes for circuit diagrams and flow charts

Thread length/depth and other important connection dimensions

Level of detail for mechanical engineering and plant construction

Date of expiration – replaced by components

Weight

Information for technical documentation

Texture

Color

Material

Density

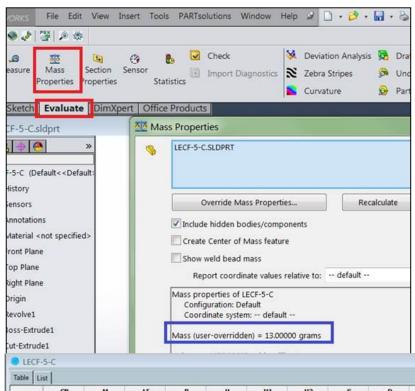




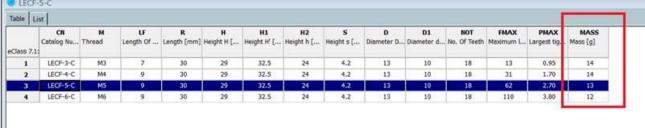
Why decision makers need smart parts? Weight and centers of mass



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- Allows calculation of the total weight
- For maximum load and perfect weight distribution
- Minimizing the total weight
- Reducing the transport costs
- Comply with safety regulations
- Ideal warehouse planning



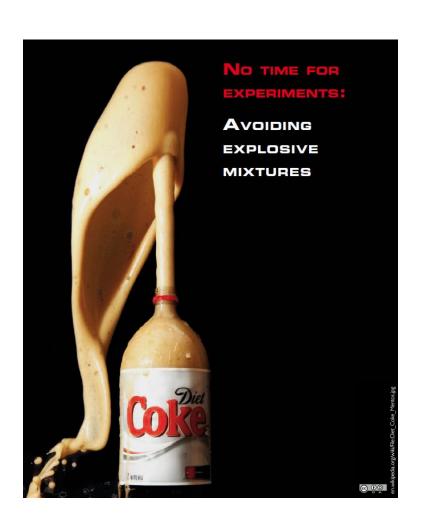




Why decision makers need smart parts? Materials and substances



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- Avoiding contact corrosion
- Compatibility in the field of application (Temperature, rust, etc.)
- Magnetism
- Reducing the weight (e.g. by using aluminium)
- Better rendering through material definition

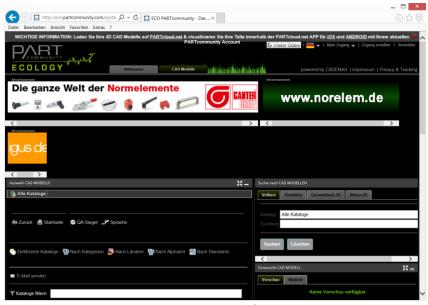




Why decision makers need smart parts? Environmental standards



Smart Parts



eco.partcommunity.com



- Only if individual components are compliant to REACH, RoHS, etc., the end product will be as well
- Traceability for documentation
- Meeting supplier requirements can be viewed











Why decision makers need smart parts? Coloring

eC/\TALOG











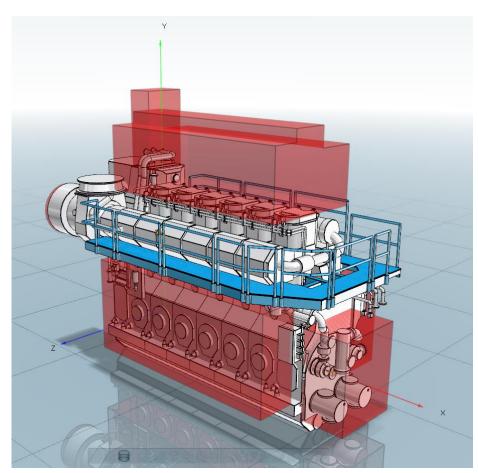


- Recognition of brand-name products
- Labelling important functions
 e.g.: emergency switch, connections
- Allows color search for engineers and developers
- Create renderings





Why decision makers need smart parts? Collision- & working spaces



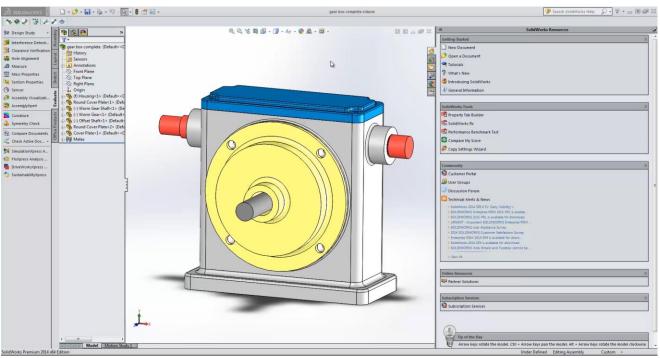
- Avoids exchanging parts by placement in blocked spaces
- Movement space for adjustable elements can be seen at once
- For a smooth cooperation between design and techniques



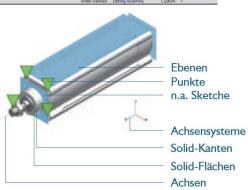


Why decision makers need smart parts? Intelligent placement





- Makes it easier to insert and exchange CAD models
- Allows fast and interactive experimenting
- Reduces placement mistakes

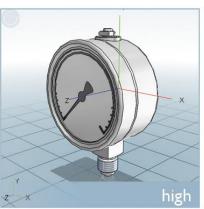


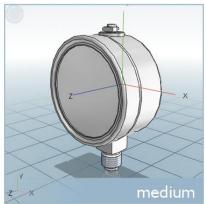


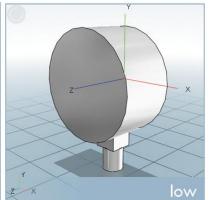
Why decision makers need smart parts? Level of detail



Smart Parts







Different applications need different details:

- Design High

- Engineering Medium

- Plant engineering Low

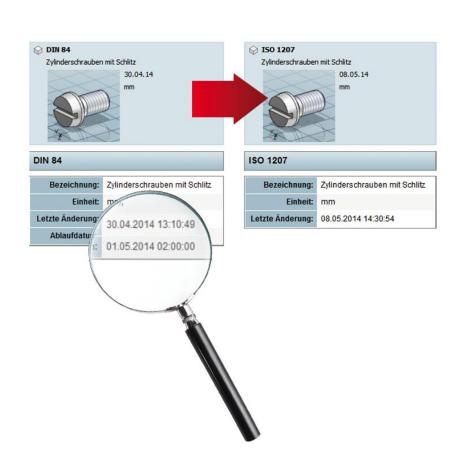
- No information overflow
- Optimizing computer performance
- Renderings need a high LOD



Why decision makers need smart parts? End of life



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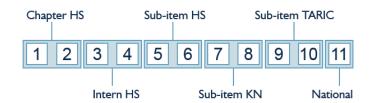
- Planning security with new developments due to advance notice
- No tedious searching for alternative components
- Expired parts can be hidden



Why decision makers need smart parts? Custom tariff numbers



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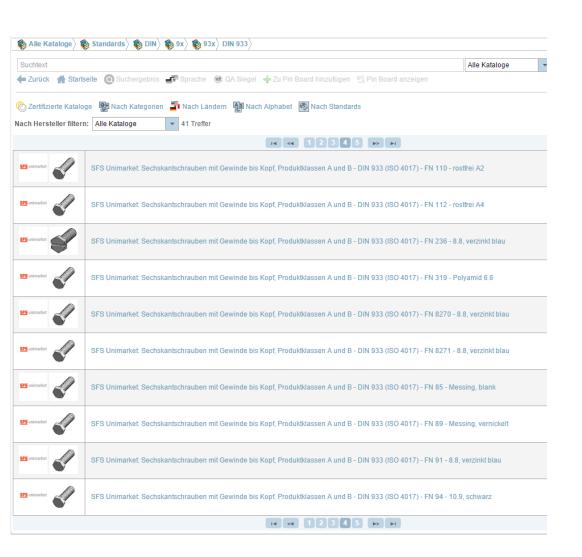
- Reduces search efforts at the customer and supplier
- Increases the creation of customs documents
- Avoids subsequent payments on importation
- Makes it easier to comply with guidelines for the labelling of goods for instance "Made in Germany"
- Selecting the supplier does not only depend on the price but also on the transportation costs
- Makes procurement of spare parts easier





Why decision makers need smart parts? Labeling standardized parts





- Companies are looking for "standard parts" for cost efficient products
- "Standard parts" guarantee security and quality



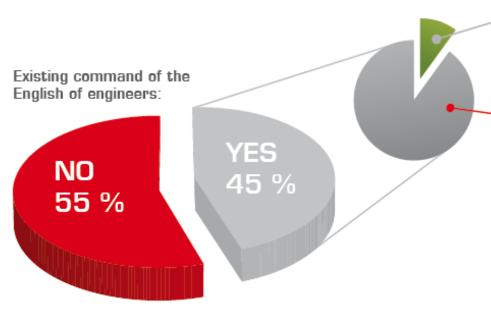


Why decision makers need smart parts? Symbols & translations

eC/STALOG

Smart Parts

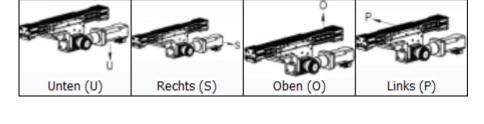




10 % have a sound command of English

90 % simple English skills

- Misconceptions lead to incorrect product selection
- For international merchandising the decision makers have to understand the products
- Pictures say more than a thousand words

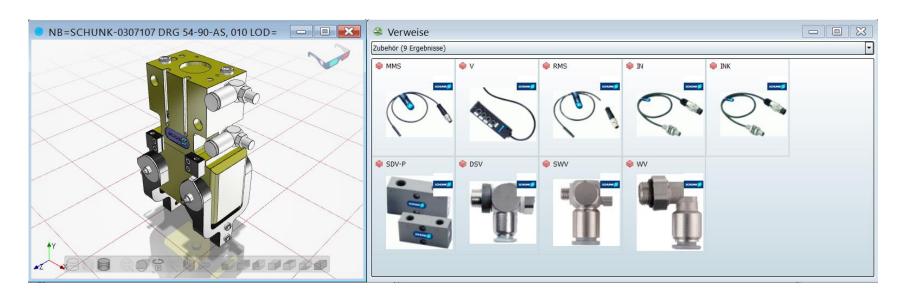






Why decision makers need smart parts? Accessories & spare parts





- Simplified creation of spare parts lists
- More effective procurement
- Saves search effort for suitable or necessary accessory
- All parts are from a single source and guarantee perfect interaction
- Helps to avoid wrong accessory orders

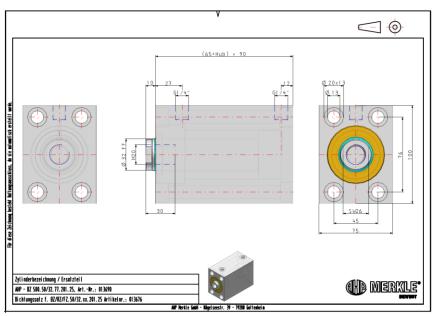




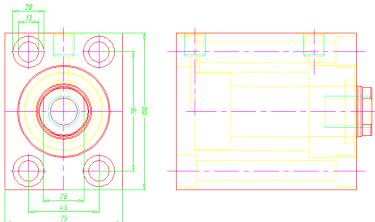
Why decision makers need smart parts? Automatic 2D dimensioning



Smart Parts



- Automatic creation of technical drawings and 2D derivations
- Supplies all important component information at a glance
- Deposited metrics in the electronic product catalog allow it to generate 3D PDF data sheets





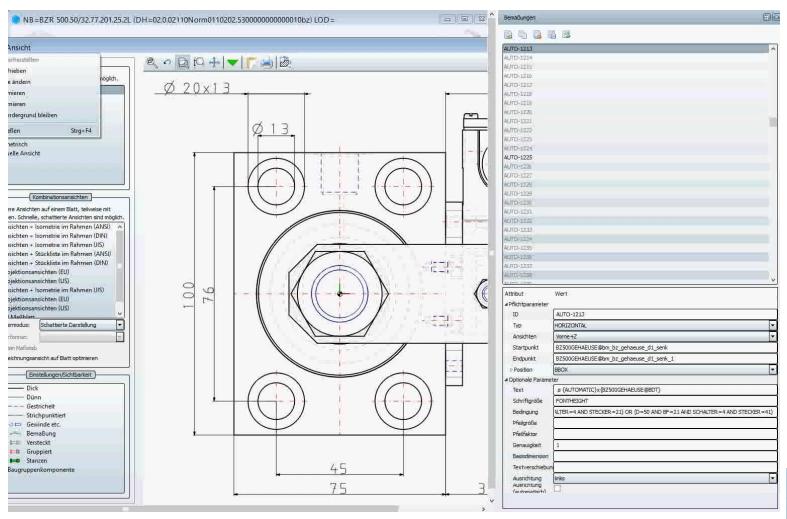
Visit our workshop on this topic! Last chance: today at 2 p.m.





Why decision makers need smart parts? Automatic 2D dimensioning





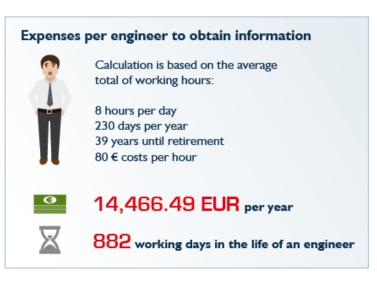


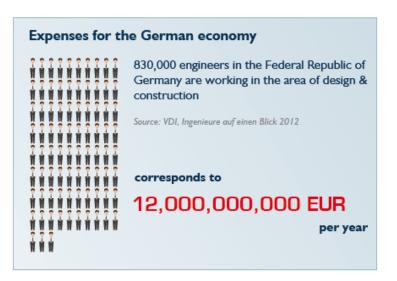
Why decision makers need smart parts? Smart parts ease searching



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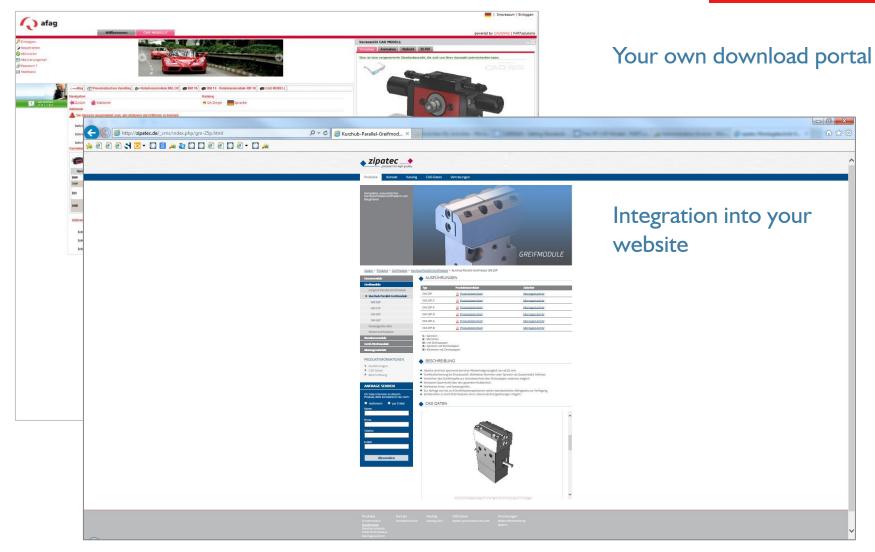
02.02.2015 02.02.2015 (c) 1992-2015 CADENAS GmbH 21



Why decision makers need smart parts? Directly deliver smart CAD models to your clients via web



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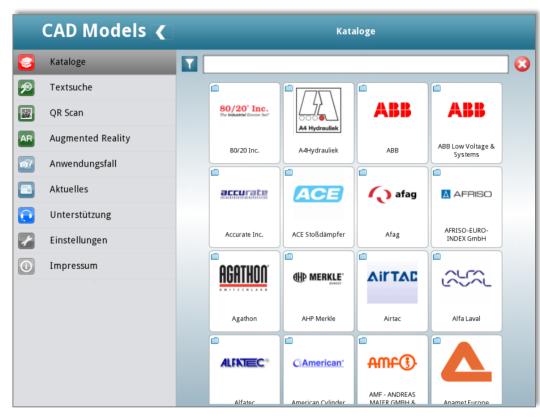


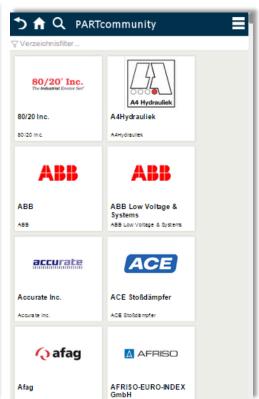


Why decision makers need smart parts? Available everywhere with your own app



Smart Parts





Whether with our general CADENAS app or your own app: your data is available everywhere

With the web app also available for Blackberry and all other mobile operation systems

70 Partner portals

More than 100.000 Companies

over **8.800.000** user

from 195 different countries

In nearly every industry sector

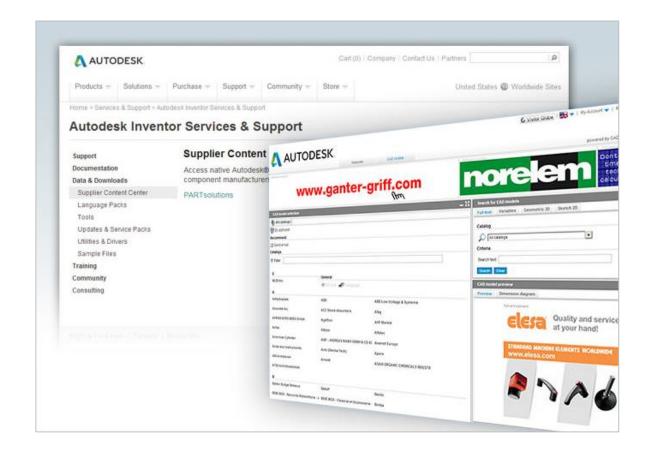








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DS SOLIDWORKS SOLID EDGE

AutoCAD



















Thanks to PARTsolutions your products are not only available online but also first hand at the workplaces of engineers and purchasers



Your PLM Systems

Your ERP System

PSI PSIPENTA





Haven't got any Smart Parts in your catalogs, yet?

Your contact persons stand right before you!





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Thank you

for your attention

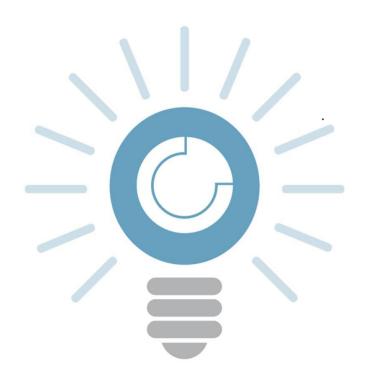
Questions? Feedback?

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