



CADENAS

SETTING STANDARDS

DAS STRATEGISCHE TEILEMANAGEMENT
DER ELEKTRONISCHE PRODUKTKATALOG
DIE GEOMETRISCHE ÄHNLICHKEITSSUCHE
DIE ENGINEERING WEB-PLATTFORM



CADENAS Technologies AG CADENAS Group

CADENAS

SETTING STANDARDS

Company &
Logo



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

My person



Juergen
Heimbach



Employees



~ 300 worldwide





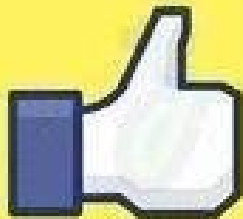
Examples for Social Media ?

Social Interaction & Collaboration

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**Ich schlafe nachts mit
offenem Fenster ...**



**573.259 Mücken
gefällt das!**

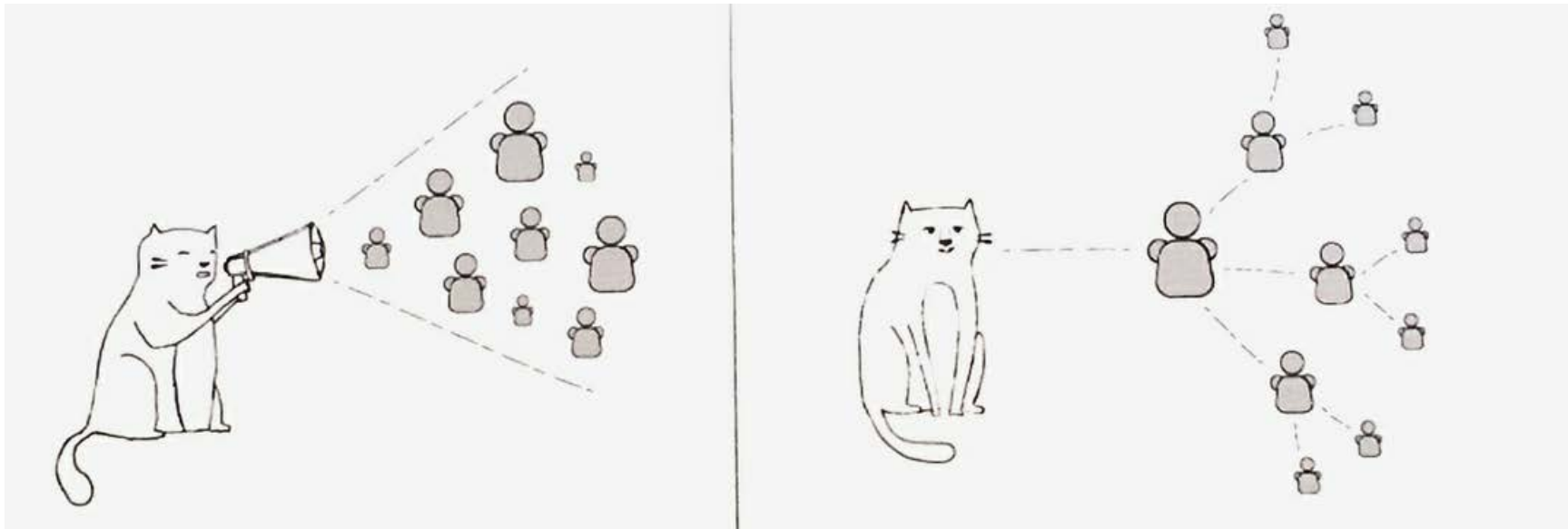


Examples for Social Media ?

Social Interaction & Collaboration

CADENAS

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Examples for Social Media ?

Social Interaction & Collaboration

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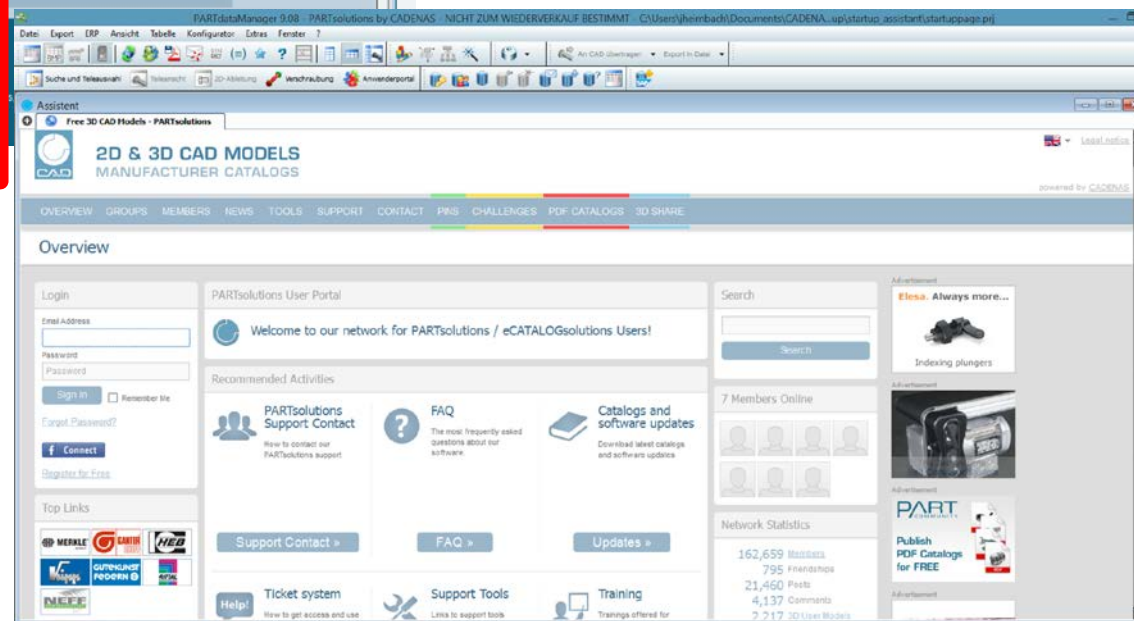
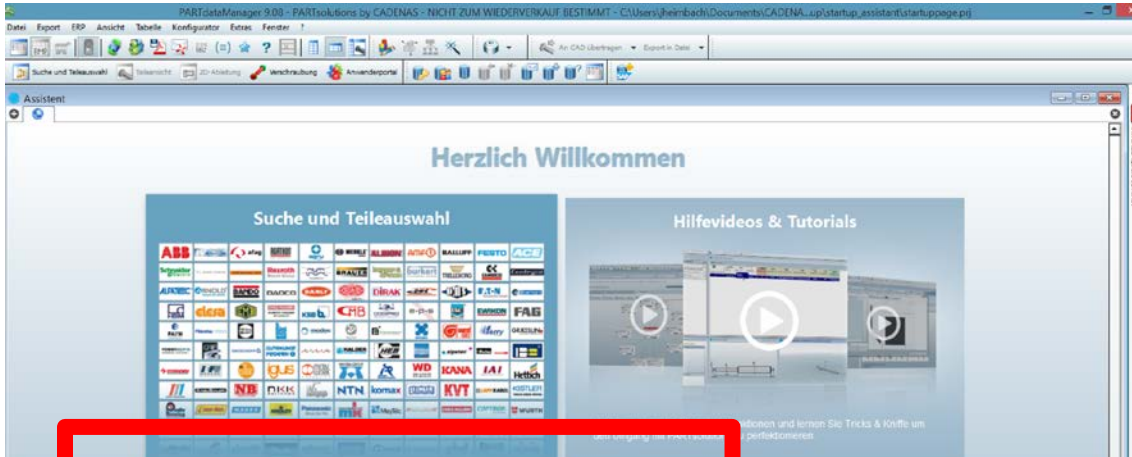


How can you get CADENAS Social Media and why should I make use of this?

PARTsolutions user portal or
www.PARTcommunity.com

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Overview of the possibilities

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Recommended Activities



3D CAD Parts Download

Millions of 3D & 2D CAD models of supplier- and standard parts for SolidWorks, Solid Edge, Autodesk Inventor, CATIA, NX, Creo, u.v.m. for free download.

To Overview »



3D Printing & Sharing PARTcloud

Share your own designs and 3D components with other PARTcommunity users or browse the uploaded 3D models.

3D Share »



PDF Catalogs

Categorized reference book with free access to PDF catalogs of renowned suppliers and component manufacturers.

Discover »



Groups

Forum to exchange with like-minded engineers and technicians about topics like mechanical engineering, plant engineering, electrical engineering, etc.

Join »



Challenges

Participate in exciting competitions and win great prizes for the best and most creative design.

Participate »



Pins

Pin interesting pictures from the internet or get inspiration around the topics engineering and technology from bulletin boards of other members.

Pin it! »



Overview of the possibilities

Central point 3D model sharing community

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3D Printing & Sharing Community

Teile Deine eigenen Konstruktionen & 3D Komponenten mit anderen PARTcommunity Nutzern oder durchstöbere die bereits hochgeladenen 3D Modelle.

Geometrische Suche

Download in 15 Formaten

Real 3D

LEAP Leap Motion Control

Augmented Reality

Suche durch Skizze

Upload STL oder STEP

3D in Deine Webseite einbetten

WebGL WebGL 3D HTML

Melde Dich kostenlos an unter:
www.PARTcloud.net

















Data base for user-specific 3D CAD models and 3D printing CONSUMER



3D Printing & Sharing PARTcloud

Teile deine eigenen Konstruktionen und 3D Komponenten mit anderen PARTcommunity Nutzern oder durchstöbere die bereits hochgeladenen 3D Modelle.

Most Liked

Steampunk car By Tomislav Stašina  496 views, 23 stars, 40 downloads	AT-AT Imperia... By Ivan Blekić  295 views, 21 stars, 27 downloads	Minion By Stjepan Birtić  368 views, 21 stars, 111 downloads	Zombie Lego ... By Ivan Blekić  390 views, 20 stars, 15 downloads
iPhone 6 By Josip Vukovic  642 views, 20 stars, 130 downloads	Bender is angry By Josip Jakubiv  247 views, 20 stars, 39 downloads	Aerial Intruder By Ivan Blekić  266 views, 19 stars, 13 downloads	Concept Car (...) By Esmir Duraković  129 views, 19 stars, 41 downloads
BIKE By Esmir Duraković  178 views, 18 stars, 30 downloads	Homer Simpson By Josip Jakubiv  227 views, 17 stars, 47 downloads	Lego Batman By Ivan Blekić  111 views, 16 stars, 32 downloads	Cauldron for ... By Goran Pekic  172 views, 16 stars, 18 downloads





Data base for user-specific 3D CAD models and 3D printing BUSINESS

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3D Printing & Sharing PARTcloud

Teile deine eigenen Konstruktionen und 3D Komponenten mit anderen PARTcommunity Nutzern oder durchstöbere die bereits hochgeladenen 3D Modelle.

Most Viewed | Engineering & Technology | ---

Speedy Powe... By Jürgen Heimbach 34 ★ 13	Vorrichtung ... By Jürgen Heimbach 582 ★ 6	MAIN ROD By ALVARO SAAVEDRA 551 ★ 3	Alexandra La... By CADENAS Person 544 ★ 5
CC160 By erkan ozgur 475 ★ 11	BEM3-5v2 By erkan ozgur 445 ★ 14	RBM500 By erkan ozgur 458 ★ 3	Multifunction... By Tomislav Stašina 446 ★ 16
SPM1200 By erkan ozgur 440 ★ 4	CP1300 By erkan ozgur 422 ★ 1	CT2400 By erkan ozgur 411 ★ 0	SC400 By erkan ozgur 385 ★ 2

B2B PRIVACY & GESCHLOSSENE GRUPPEN
In Entwicklung





Simple upload of STEP and STL

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3D Printing & Sharing PARTcloud

Teile deine eigenen Konstruktionen und 3D Komponenten mit anderen PARTcommunity Nutzern oder durchstöbere die bereits hochgeladenen 3D Modelle.

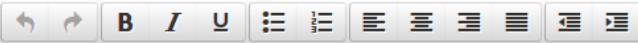
← Browse PARTcloud ★ My Liked Parts 🧰 My Parts ⬆ Upload Parts 🔍 Search

Upload a New Part

1 Give your Part a Name


Name

2 Description & link to your Website



3 Choose a category remember selection

4 License remember selection

Attribution-ShareAlike 4.0 International 

5 Select a STL or STEP file

No file selected.





Load from the CAD


3D Printing & Sharing
PARTcloud
Teile, Deine eigenen Konstruktionen
und 3D-Komponenten mit anderen
PARTcommunity-Nutzern oder
durchstöbere die bereits
hochgeladenen 3D-Modelle.

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What can I do with an uploaded CAD model?

The screenshot shows a CAD model viewer interface for a part named "Cutter B140". The interface includes a metadata sidebar on the left with the following information:

- Creator: Christian Gierth
- Creation Date: 2014-12-01 10:26:40
- 87 Views
- 0 Downloads
- 0 Comments
- 0 Likes
- Category: Tool

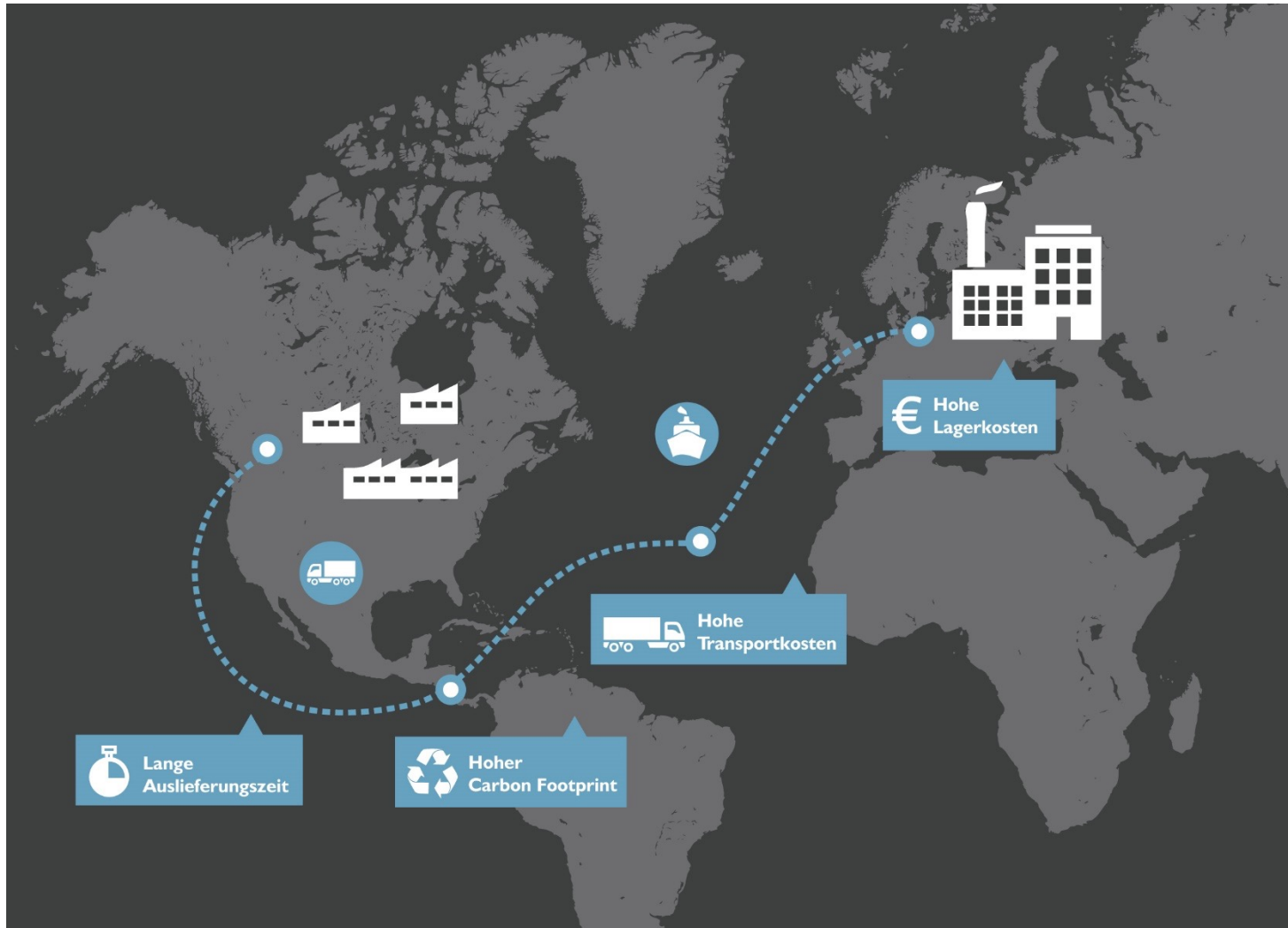
The main area displays a 3D model of the cutter. Below the model are several icons for navigation and interaction, including a home icon, a refresh icon, a cube icon, a gear icon, and two icons representing different views of the model. A large, red, diagonal watermark with the text "What now?" and a question mark is overlaid on the entire screenshot.



Conventional production and shipping of spare parts

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Providing spare parts in the future

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DIGITAL



In 5 years:

Print spare part **FASTLY**, of **HIGH QUALITY**, **CHEAP**, **ON-SITE** in 3D

Coming In The Next Years !

To produce spare parts, the customer does not need his own metal printer but will look for the next provider

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COOPERATION

- Search + Filter for suppliers, location, material, quality, delivery time, rating ...
- > 10000 printers worldwide
- Approx. 20 metal printers

PARTcloud.net
3D Printing & Sharing Community

Grid of models:

- Blank polierte... (Blank polierte Handgriffe für Kräfte und sonstige Handwerke)
- Steck oder Kr... (Steck- oder Kernschlüssel für Handgriffe Zapfen)
- Handkurbel (Handkurbeln für Handgriffe Zapfen)
- Doppelter Ku... (Doppelte Kugelgriffe ohne Bohrung)
- Einfacher Ku... (Einfache Kugelgriffe ohne Bohrung)
- Aufsteckhuelse (Aufsteckhuelse für Handgriffe)
- Kugelkurbel ... (Kugelkurbel mit Bohrung und Handgriff)
- Kugelkurbel o... (Kugelkurbel mit Bohrung und Handgriff)

Kugelkurbel mit Bohrung und Handgriff

Creator: Michael Hirtsmayr
Created Date: 2015-01-28 13:30:29

4 Views | 1 Downloads
0 Comments | 0 Likes

Category: Engineering & Technology
Collection: Gantler Katalog 1912

Share Kugelkurbel mit Bohrung und Handgriff on...
Embed Code

WebGL HTML | Download Model | Delete Model

Estimated 3D Printing costs (PLA): 9.98 €
Bounding Box: 44 mm x 36 mm x 18 mm
Part's area: 36 cm²
Part's volume: 0 cm³

Einbetten in Deine Website
Download 15 Formate

Melde Dich kostenlos
www.PARTcloud.net

REQUEST
3D PRINT



Drag .stl files here or browse for a file

Select a printer

Your location: Augsburg, Germany | Within 250 KM

Hub can provide shipping

TITLE	DISTANCE	RATING	MATERIALS	RESOLUTION	RESPONSE TIME	PRICE
Denis's Hub Flex 3.0	3.0 km	★★★★★ (1)	PLA, FlexPLA, Laybrick, woodFill and 2 more	High	Within the hour	€ 26,99 - 87,68
Robert's Hub Makrolab Replicator 2	23.7 km	★★★★★ (1)	PLA	High	Within twelve hours	€ 37,95
Robert's Hub Makrolab Replicator 2	23.7 km	★★★★★ (1)	PLA, ABS, Nylon and ABS M30	Medium	Within twelve hours	€ 28,34 - 48,57
Andrew's Hub Ultimaker Original Plus	24 km	★★★★★ (1)	ABS, FlexPLA and PLA	High	Within four hours	€ 29,09
Indra's Hub Ultimaker 2	45.7 km	★★★★★ (1)	ABS	High	Within four hours	€ 19,62
Heidi's Hub Leergang Creat	48.2 km	★★★★★ (1)	PLA and ABS	Medium	Within the hour	€ 24,02 - 26,42
Maxim's Hub Ultimaker Original Plus	51.9 km	★★★★★ (1)	PLA and Wood	High	Within four hours	€ 31,54 - 73,20

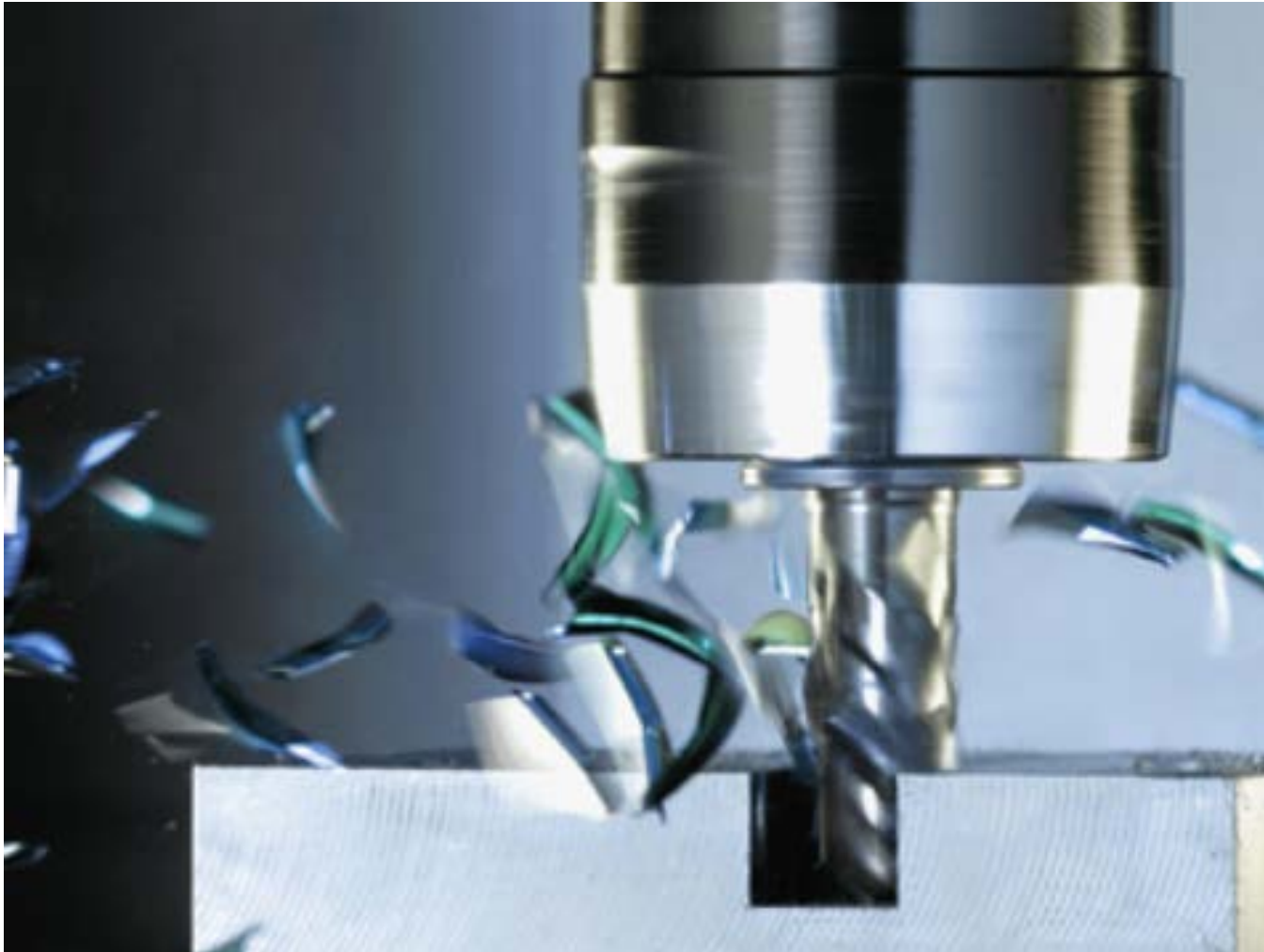
Printing options: PLA, strong black, pickup



Future idea Optimization of manufacturing

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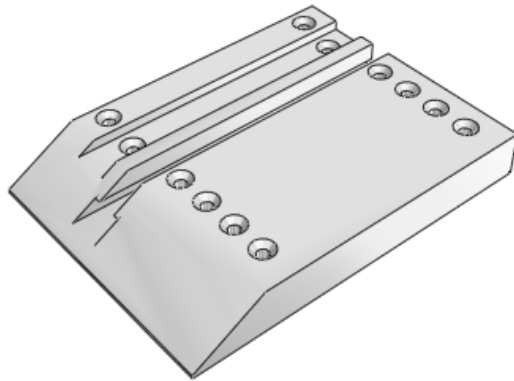




Typical questions of the industry

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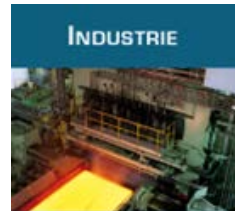
Was kostet so ein Teil zu fertigen ?

Welche Fertigungsunternehmen sind in meiner Nähe ?

Welche Firma könnte es fertigen ?

Könnte ich so ein Teil auch im Ausland fertigen ?
Was kostet es da ?

Wer hat freie Kapazitäten ?





Typical questions and issues of toll manufacturers

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Wer sucht freie Kapazitäten ?

Wie kann ich meinen Kundenstamm ausbauen ?

LOHNFERTIGER



Wie komme ich an Aufträge ran ?

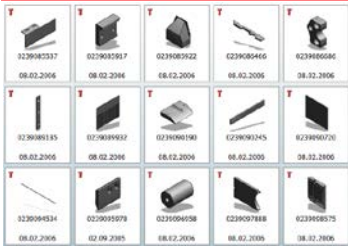
Wie kann ich meine Leistungen publizieren ?



How are the services between toll manufacturer and the industry communicated?

Step 1 service provider posts portfolio

3DGEOs of parts that have been produced so far



AUTHORING SYSTEM from PARTimporter, GEOSearch and PARTproject
Add further attributes machine data, capacities, price range, ...



PARTcloud 4 Manufacturers



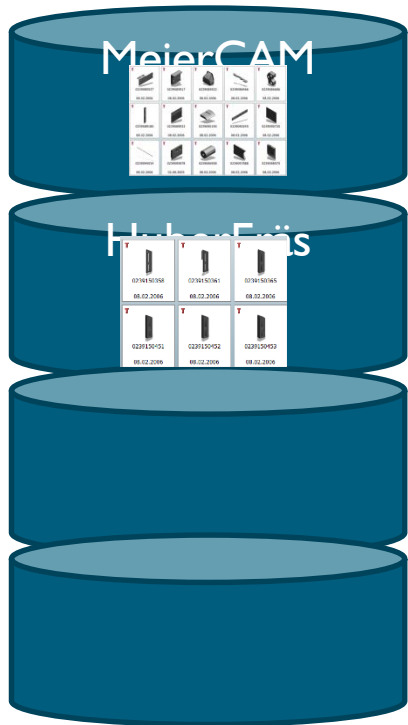


How are the services between toll manufacturer and the industry communicated?

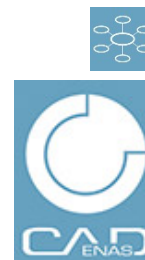
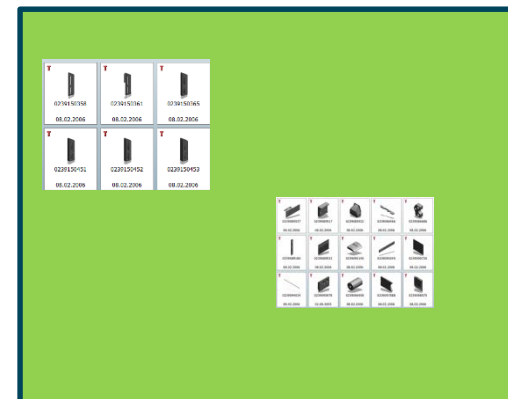
Step 2 Industry uploads portfolios of suitable toll manufacturers and sample parts



3D Printing & Sharing PARTcloud



PARTcloud 4 Manufacturers →





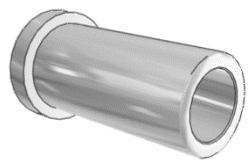
How are the services between toll manufacturer and the industry communicated?

Step 3 Using the current DB with service portfolio by means of the Geo search

Task:
Find cheap and suitable service providers for parts for the location Hungary



INPUT DATABASE OUTPUT
with service providers



Beispiel	Preis	Rating
MeierCAM 	230-340 €	*****
HuberFRÄS 	380-430 €	***





Generate additional business!

For manufacturers of components

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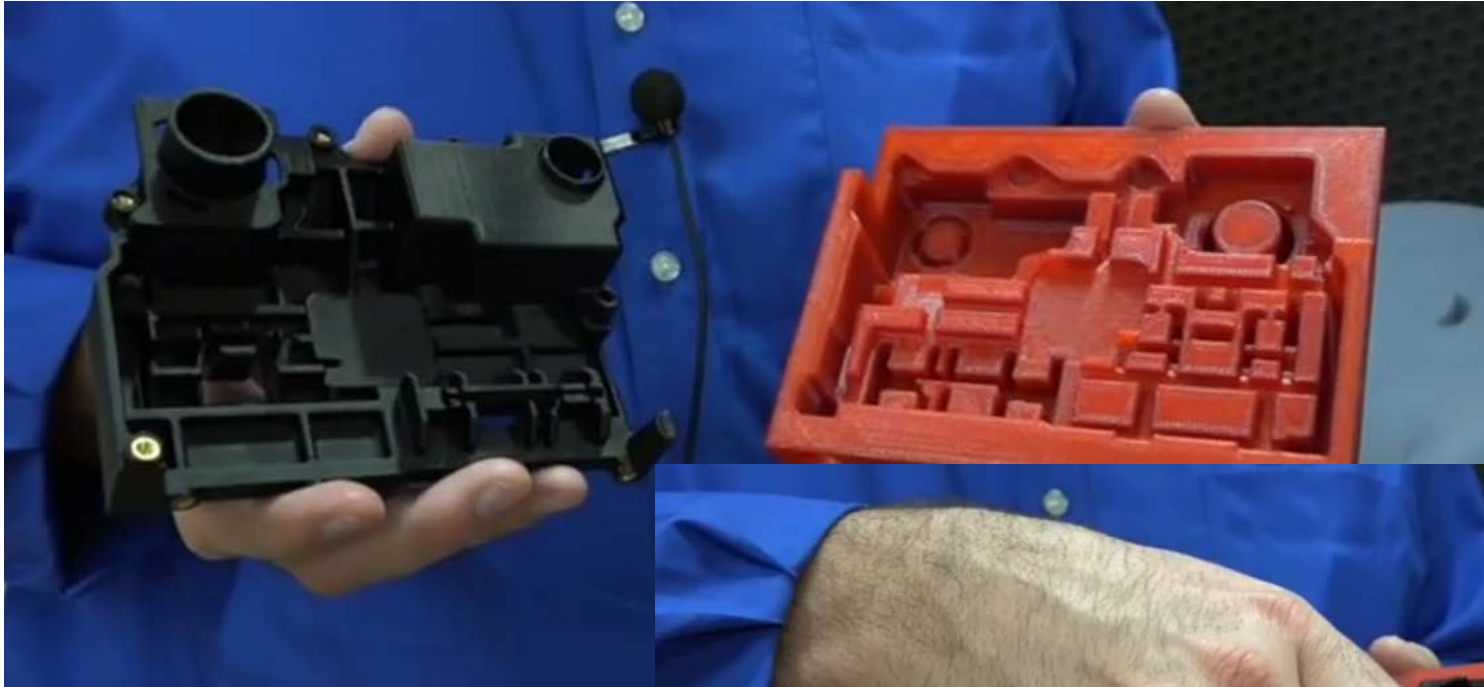


\$10.000.000.000 per year





Support for mounting device





Schunk eGRIP

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e GRIP
SCHUNK Finger Designer

Einfach die **STEP-** oder **STL-Datei** des Werkstücks **hochladen**. Mit **spezifischen Angaben**, beispielsweise zum **Gewicht**, zur **Einbaulage des Greifers** oder zur **Fingerlänge** ergänzen.



e GRIP
SCHUNK Finger Designer

SCHUNK eGRIP erstellt individuelle Greiferfinger mit der **optimalen 3D-Kontur** und ein detailliertes Angebot mit **Preis und Lieferzeit**.

Die mit **SCHUNK eGRIP** erstellte Außenkontur der generierten Baugruppen, bestehend aus Greifer, Aufsatzbacken und Werkstück, kann **kostenlos** als **STL-Datei** heruntergeladen und unmittelbar **für die Anlagenkonstruktion** verwendet werden.

Mit **SCHUNK eGRIP** erhalten Sie schnell individuelle **SCHUNK Greiferfinger**.





Get new product ideas and extensions

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Tinkerers expanding a product have the possibility to show this on [PARTcloud.net](https://partcloud.net)!

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Hoover lets vacuum owners 3D print their own accessories



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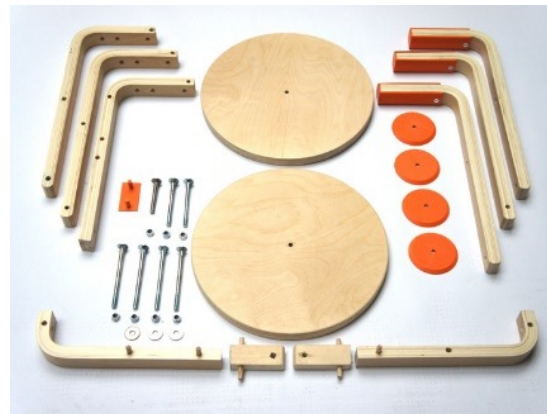
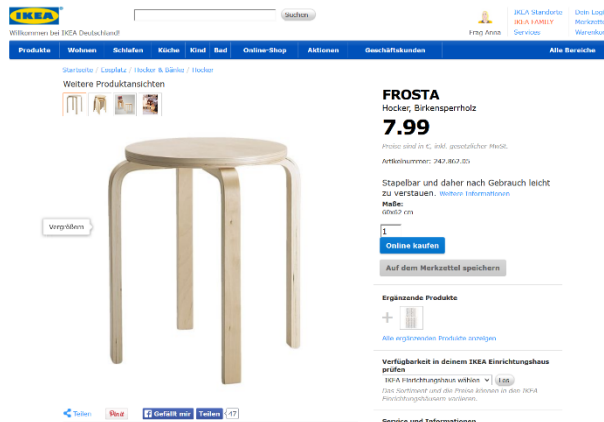


Fan community & cult to build up your product

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2 IKEA CHAIRS + 3D PRINTING = Child's bike







2015: Knowledge Base



3D Printing & Sharing PARTcloud

Teile deine eigenen Konstruktionen und 3D Komponenten mit anderen PARTcommunity Nutzern oder durchstöbere die bereits hochgeladenen 3D Modelle.





Link to the used parts

Knowledge Base for existing Engineering Use Case 2.0

		LINA Stückliste	TYPE2 Getriebetyp	A A [mm]	C C [mm]	D D [mm]	ZD ZD [mm]	E E [mm]	ZE ZE [mm]	F F [mm]	G G [mm]	L L [mm]	L1 L1 [mm]
0	1	PO-105000566AM4-3BAGD-06A21(1)3LP 650	LP 050	44.0	50.0	35.0	17.0	4.0	4.0	12.0	24.5	73.5	99.0
1	2	PO-107000366AM4-3BAGD-06A21(2)LP 670	LP 070	62.0	70.0	52.0	25.0	5.0	5.0	16.0	36.0	104.0	124.0

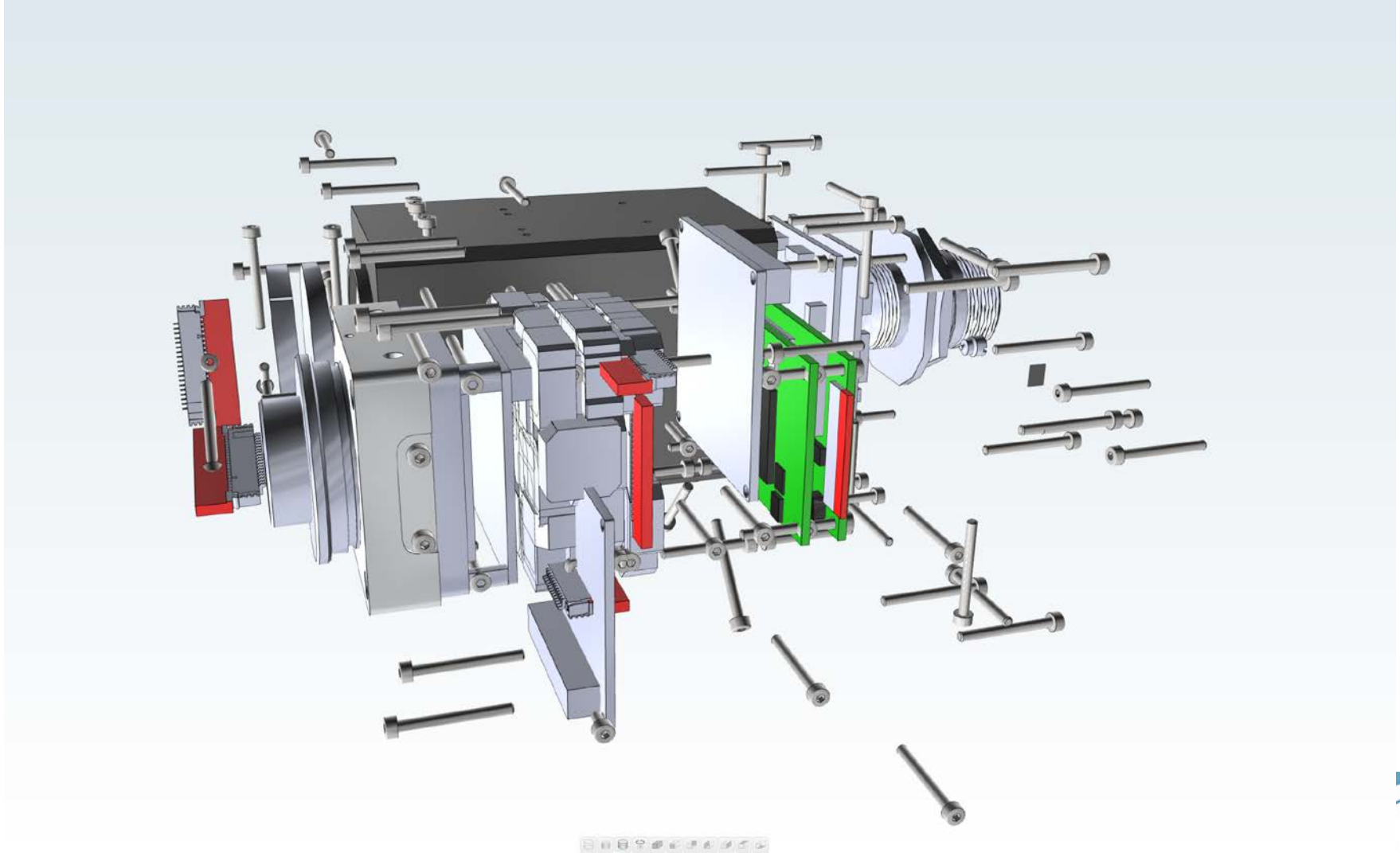
		LINA Stückliste	ARTNR Artikelnummer	TYP Bezeichnung
1	1	MON_54295_GFTP-66-40 61	54295	GFTP-66-40



Exploded view drawing mode

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Show designs on smart device

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MADE BY CADENAS

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 **PARTcloud.net**
3D Printing & Sharing Community

STL STEP

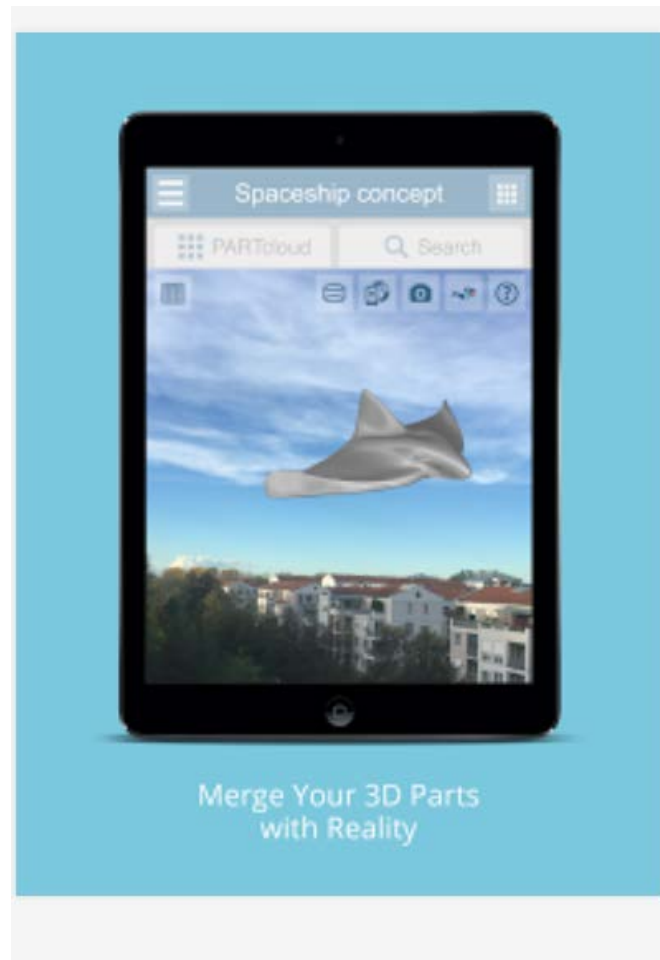
PARTcloud.net 3D Parts
Printing and Sharing Community



Overlap reality with designs

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Simple embedding in website or profile - IFRAME

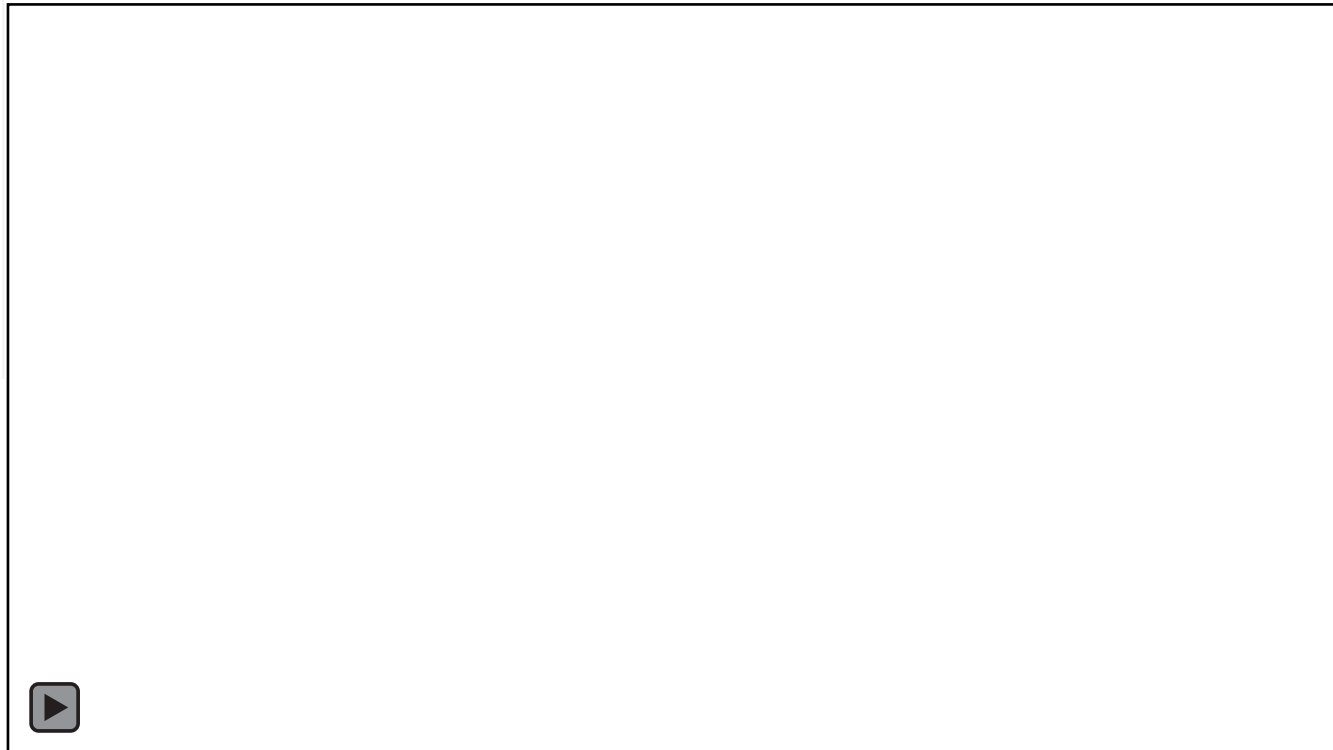
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Teile deine eigenen Konstruktionen und 3D Komponenten mit anderen PARTcommunity Nutzern oder durchstöbere die bereits hochgeladenen 3D Modelle.





3D product images on your own website

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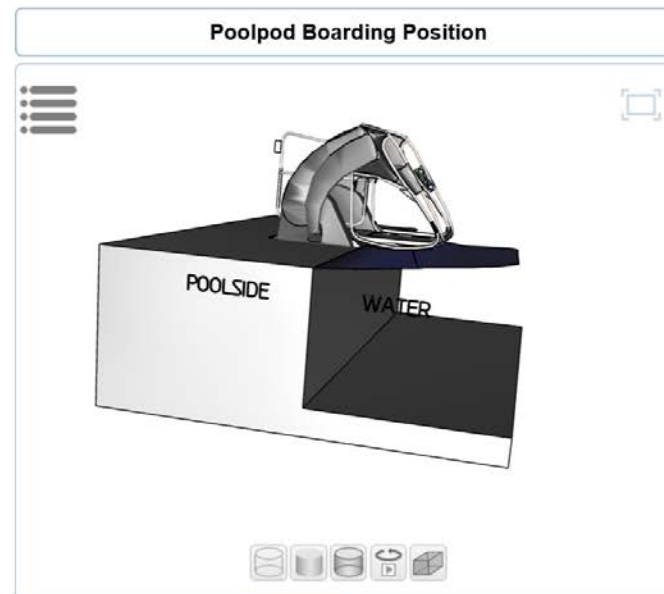
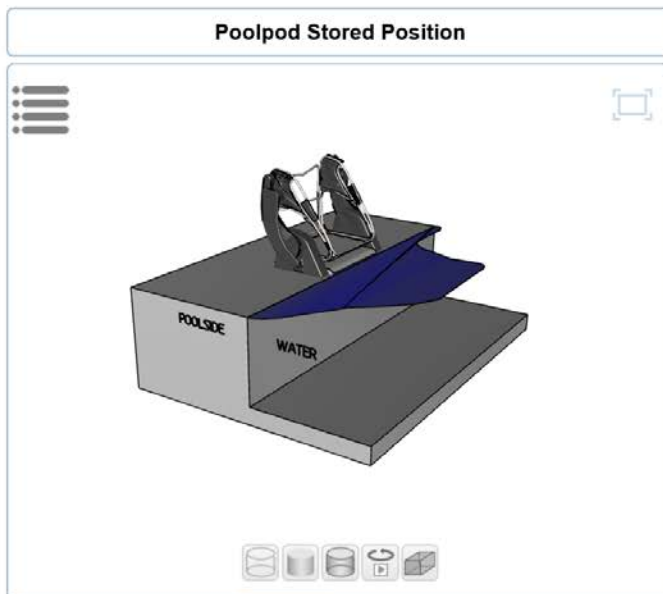
<http://poolpodproducts.com/poolpod-file-downloads/>

<http://akaygam.com.tr/urunlerimiz>

poolpod

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3D CAD:





Anyone can use AR now!

Upload CAD models

- Send to Aurasma

- Install PARTcloud App – DONE!

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PARTcloud.net
3D Printing & Sharing Community

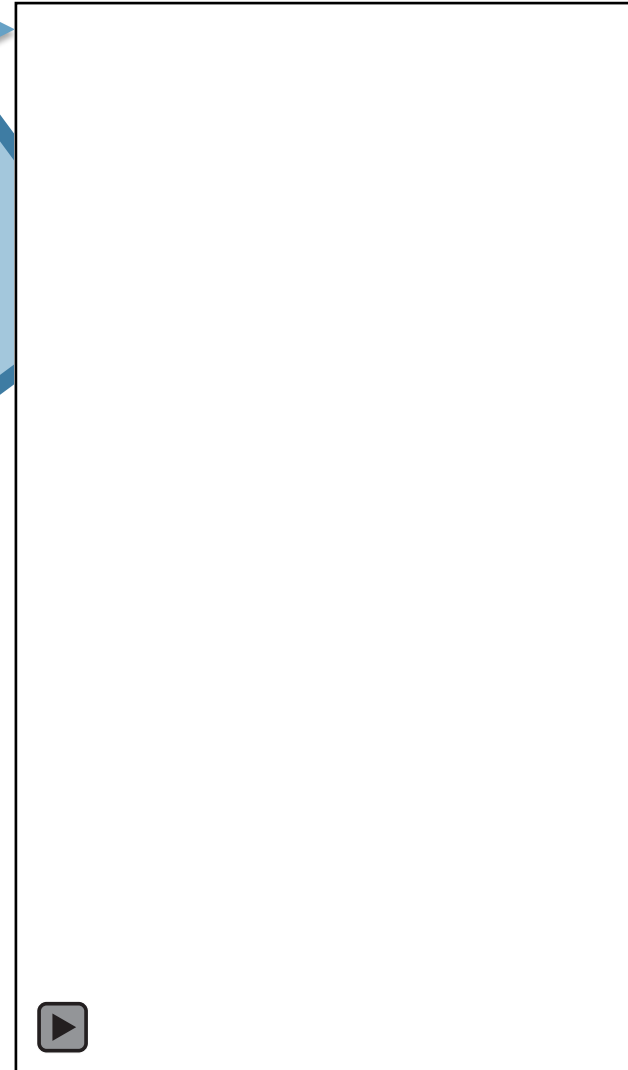
Teile Deine eigenen Konstruktionen & 3D Komponenten mit anderen PARTcommunity Nutzern oder durchstöbere die bereits hochgeladenen 3D Modelle.

WebGL
WebGL 3D
HTML

Suche durch Skizze

LEAP Leap Motion Control

Melde Dich kostenlos an unter:
www.PARTcloud.net





Google Cardboard Lowcost VR Projekt

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Google Cardboard

Experience virtual reality in a simple, fun, and inexpensive way.





We distribute 25 VR
Goggles for customers
At our CADENAS booth



The eyecatcher and visualiser

Realfiction Dreamoc from € 2000

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Protect the environment – use PDF catalogs



PDF Kataloge

Kategorisiertes
Nachschlagewerk mit
kostenlose Zugriff auf PDF
Kataloge namhafter
Lieferanten und
Komponentenhersteller.

Categorically Popular PDF Catalogs

Actuating Elements	Air Condition
SIKO Length, angle and speed measuring systems Actuators (INT) (2278) SIKO Length, angle and speed measuring systems Actuators (CN) (1418) SIKO Längen-, Winkel- und Drehzahlmesssysteme Stellantriebe (DE) (1051) SELTEK - MCF Upgrade Package (GB) (388)	BerlinerLuft_Lufikonditionierung Klimazentralgeraete (DE) (1281) P.RIES Industriesauger Typ 2000/3 Z (DE) (524) P.RIES Entstauber Typ 330 D (DE) (358) P.RIES Absaugetechnik - Produkteübersicht (DE) (357) P.RIES Entstauber Typ 500 D660 (DE) (353)
Architecture	Armature
TORMAX - Schiebetürsysteme (DE) (807) TORMAX - Drehflügeltürsysteme (DE) (617)	LÜDECKE (DE) (3884) heco – Industriearmaturen (DE) (2531) KSB - Armaturenprogramm (DE) (1327) Armaturenfabrik Franz Schneider (GB) (1064) Armaturenfabrik Franz Schneider (GB) (724)
Assembling Equipment	Automation
ASSTEC Assembly Technology GmbH & Co. KG (DE) (1468) AGI Pneumatic Assembly Equipment (GB) (836) DSTA Metaspinner (DE) (552)	ifm electronic general catalogue 2012 (EU) (6301) ifm electronic Gesamtkatalog 2012 (DE) (3872) TIPOCK Kamekatalog Compact Cables

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14.559 views
- [AFRISO Gesamtkatalog 2011/2012 \(DE\)](#)
12.180 views





Request 3D CAD Models

I found your products @ Free 3D CAD Models PARTcommunity.com

At the moment you do not offer 3D CAD Models here.

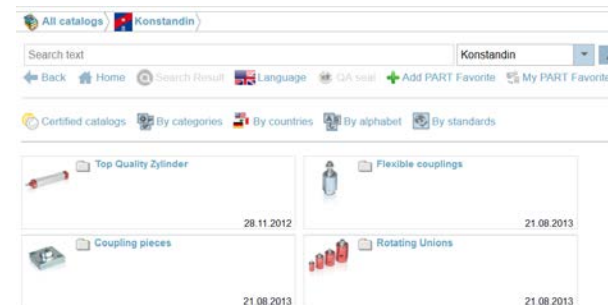
I want to request 3D CAD Models for [DEUBLIN Drehdurchführungen \(DE\)](#)

Could you please provide your Catalog Data @ <http://b2b.partcommunity.com>

If you need more information please contact catalogs@partcommunity.com

At the moment I will download from these alternative catalogs til you can provide CAD data @ PARTcommunity.com:

- Konstandin
- NBK



Tip

- Request 3D CAD Models from this MANUFACTURER
- Go to 3D CAD Models of Konstandin
- Go to 3D CAD Models of NBK

Tip

You can search this document by pressing **CTRL+F**
It may take a while until the catalog is completely loaded





FUTURE IDEA:

Upload of 2D drawings and sketches for a modeling service?

Supplier parts und own parts

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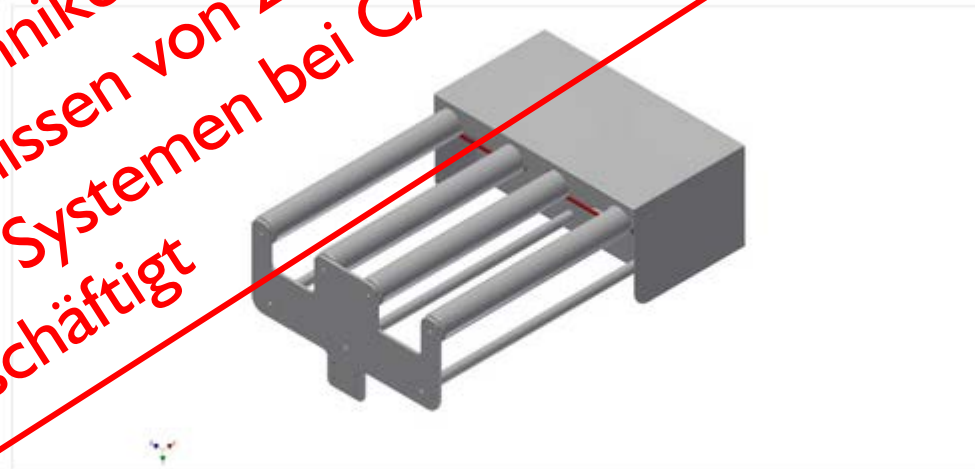
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Ersatzteile

Alphabetisch ordnen: A bis Z 12 Pro Seite

 Antriebsrolle Ø120 x 1500 gummiert, bombiert... € 35,00 2 h	 Antriebsrolle Ø170 x 2000 bombiert, Rohr ... € 35,00 2 h	 Antriebswelle Ø 100 x 640 Kern Ø 60 € 35,00 2 h
 Bandabstreifer 520 breit € 35,00 2 h	 rollende Messerkant Ø12 x 705 (Förderband) € 35,00 2 h	 Umlenkrolle Ø60 x 640 Rohr/Lager/Welle € 35,00 2 h

100 Techniker mit sehr guten Kenntnissen von zahlreichen CAD Systemen bei CADENAS beschäftigt



Rollenförderer Antrieb Rundriemen 6

€ 80,00





4.756 Business

Categories

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- [COMMON](#)
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Keywords

Location

Within Distance

 ▼

Category

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Sort By

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Suche





Trade directory with circumcircle search

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- [Freiburg](#)
- [Giengen an der Brenz](#)
- [Grübingen](#)
- [Hechingen](#)
- [Kirchheim unter Teck](#)
- [Laufenburg \(Baden\)](#)
- [Leimen](#)
- [Marbach](#)
- [Pforzheim](#)
- [Radolfzell](#)
- [Ravensburg](#)
- [Reutlingen](#)
- [Schlierbach](#)
- [Schramberg](#)
- [Schwäbisch Gmünd](#)
- [Sinsheim](#)
- [Stuttgart](#)
- [Westerstetten](#)
- [Östringen](#)

- [Aichelberg](#)
- [Aspach](#)
- [Bad Waldsee](#)
- [Bühl](#)
- [Dettenhausen](#)
- [Erdmannhausen](#)
- [Filderstadt](#)
- [Freudenstadt](#)
- [Gondelsheim](#)
- [Grünkraut](#)
- [Heilbronn](#)
- [Konstanz](#)
- [Lauffen](#)
- [Mannheim](#)
- [Niederstotzingen](#)
- [Pleidelsheim](#)
- [Rauenberg](#)
- [Remseck](#)
- [Rosenfeld](#)
- [Schopfheim](#)
- [Schwaigern](#)
- [Schönaich](#)
- [Steinach](#)
- [Ulm](#)
- [Winnenden](#)

The screenshot shows a web interface for a trade directory search. At the top, there is a search bar with a grid of letters from # to Z. Below it, the text "Browse Businesses" is visible. The main area is a map of Germany and surrounding regions, with several red location pins indicating business locations. A popup window is open over Augsburg, showing the details for "CADENAS GmbH". The popup includes the address "Berliner Allee 28, 86153 Augsburg, Germany", a profile picture of Jürgen Heimbach, and the text "by Jürgen Heimbach 31 minutes ago". At the bottom of the map interface, there are numbered buttons from 1 to 10 and a "Next" button.





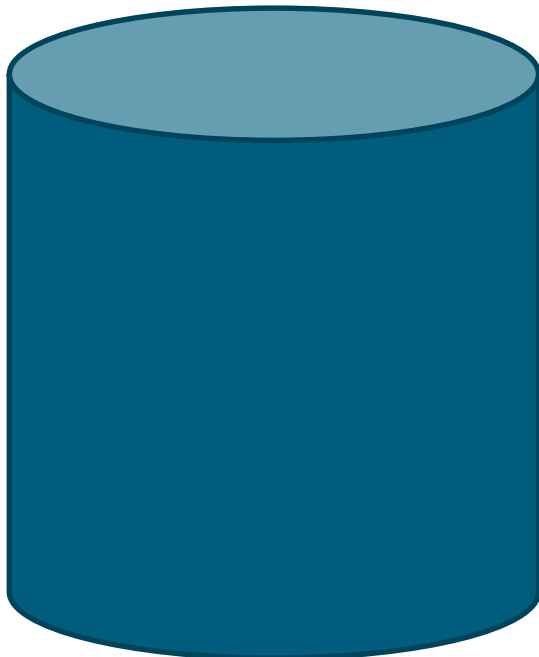
Public Google search engine

Problem – Confusing !

Technische Produktsuche

Google™ Custom Search

1.000.000.000 Domains
16.700.000 Search results



Google

Web Bilder Shopping Videos Maps Mehr ▾ Suchoptionen

Ungefähr 16.700.000 Ergebnisse (0,27 Sekunden)

Zylinder (Geometrie) – Wikipedia

[de.wikipedia.org/wiki/Zylinder_\(Geometrie\)](https://de.wikipedia.org/wiki/Zylinder_(Geometrie)) ▾
Ein **Zylinder** (von altgriech. κυλινδρῆν kylindrein ‚rollen‘, ‚wälzen‘) ist im einfachsten Fall eine Fläche, deren Punkte von einer festen Gerade, der Achse, ...

1) PA: 59 53 Links / PRO ONLY RDs DA: 100 PRO ONLY Links / PRO ONLY RDs Link Analysis

Suchergebnis auf Amazon.de für: zylinder

www.amazon.de/zylinder/s?ie=UTF8...i%3Aaps%2Ck%3Azyylinder ▾
Ergebnissen 1 - 16 von 42623 - Suchergebnis auf Amazon.de für: **zylinder**. ... Smiffy's - Deckelhut **Zylinder** Fasching Karneval Kostüm. von Smiffys. EUR 2,80.

2) PA: 1 0 Links / PRO ONLY RDs DA: 93 PRO ONLY Links / PRO ONLY RDs Link Analysis

Bilder zu zylinder Unangemessene Bilder melden

[Weitere Bilder zu zylinder](#)





Vertical CADENAS Google search engine (CSE)

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Technische Produktsuche

Google™ Custom Search

10.000 Manufacturer domains
3.000.000 Search results

Technische Produktsuche

zylinder

Web Bild

Alle Ergebnisse CADModels

Ungefähr 3.930.000 Ergebnisse (0,65 Sekunden) Sortieren nach: Relevance

Google Anzeigen

Zylinder
www.sesiafucine.com/
Wärmebehandlung und Schmiederei Erfahrung und Professionalität

powered by Google™ Benutzerdefinierte Suche

[JOYNER pneumatic GmbH – Zylinder-CAD-Daten anfordern](#)
www.joynr.de/de/cad-katalog/zylinder-cad-daten-anfordern/
JOYNER pneumatic GmbH Zylinder-CAD-Daten anfordern:

[Serie 1319 - 1321 Profilirohr-Zylinder nach ISO 15552, VDMA 24562 ...](#)
www.pneumax.de/4_serie_1319.php
Profilirohr-Zylinder nach ISO 15552, VDMA 24562, CNOMO / AFNOR 49003, Serie 1319 - 1321 - Pneumatik Komponenten für die Automation.

Zylinder
www.parker.com/.../menueitem.14ecfc66e7a40c1af8500f199420d1ca/?...
Parker bietet Zylinder für Hydraulik-, Pneumatik-, Elektrik- sowie Luft- und Raumfahrtsysteme an. Zylinder sind mit einfacher oder durchgehender Kolbenstange ...

[Kolbenstangenlose Zylinder - AIRTEC Pneumatic GmbH](#)
www.airtec.de/kolbenstangenlose-zylinder.html
Kolbenstangenlose Zylinder. AIRTEC bietet mit zwei Zylinderbauarten für das Einsatzfeld von kolbenstangenlosen Zylindern immer die passgenaue Alternative ...

1 2 3 4 5 6 7 8 9 10





Tender difficult tasks for competitions!
Use the potential of crowd engineering

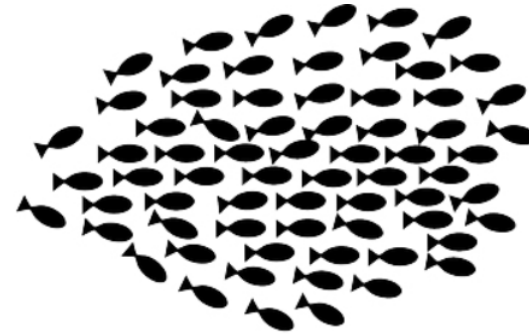
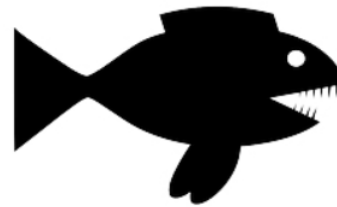
CADENAS

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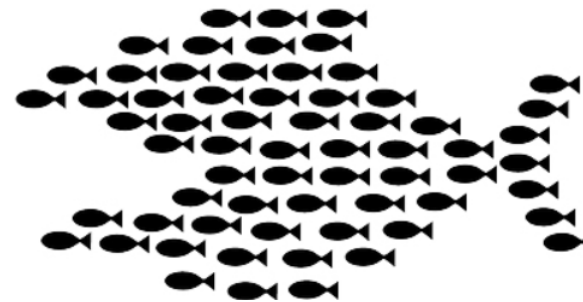


Challenges

Nimm an spannenden Wettbewerben teil und gewinne tolle Preise für die beste und kreativste Konstruktion.



ORGANIZE!





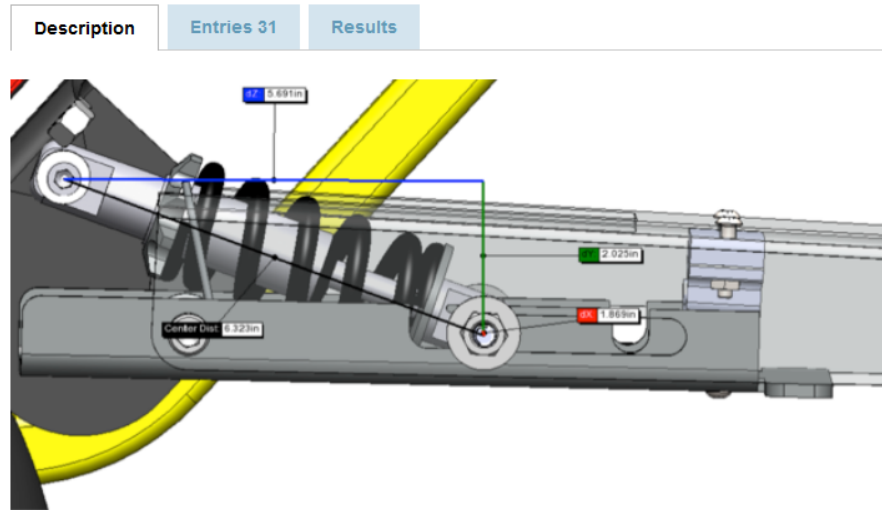
Tender difficult tasks for competitions! Collective intelligence



Challenges

Nimm an spannenden Wettbewerben teil und gewinne tolle Preise für die beste und kreativste Konstruktion.

Stabilizer Leg Suspension Challenge



Design a better stabilizer leg suspension system for a hand truck that adjusts to fit its terrain and has a customizable angle and height for its user.

[Novative Designs Inc.](#) designs and manufactures a line of DC-powered, motorized, light material handling equipment. They recently made a new version of their hand truck that has an optional rear stabilizer arm. They call this addition a "stinger." It pivots about an axle to let the hand truck angle vary on hills, ramps or uneven ground.

What's the problem?

The new "stinger" stabilizer arm cannot handle the large amount of force that stresses it.

Novative had only planned on 1200 pounds of force, so the spring assisted shock is too undersized. For example, with an 800-pound load, the forces compressing the spring are calculated to be approximately 8400 pounds. They have not found a shock with a 6" center to center install distance that can handle that load. They need your help!





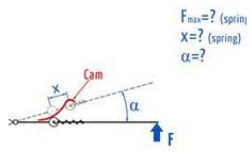
Take the Power Back
 3 30



Stinger Fix
 9 73

Item	Material	Quantity	Unit	Weight	Volume	Cost
1	Aluminum	1	kg	1.5	0.001	15
2	Steel	2	kg	3.0	0.002	30
3	Plastic	5	kg	15.0	0.010	150
4	Aluminum	1	kg	1.5	0.001	15
5	Steel	2	kg	3.0	0.002	30
6	Plastic	5	kg	15.0	0.010	150
7	Aluminum	1	kg	1.5	0.001	15
8	Steel	2	kg	3.0	0.002	30
9	Plastic	5	kg	15.0	0.010	150
10	Aluminum	1	kg	1.5	0.001	15
11	Steel	2	kg	3.0	0.002	30
12	Plastic	5	kg	15.0	0.010	150
13	Aluminum	1	kg	1.5	0.001	15
14	Steel	2	kg	3.0	0.002	30
15	Plastic	5	kg	15.0	0.010	150

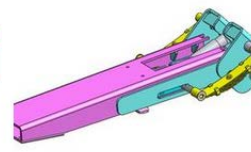
The simplest solution
 14 30



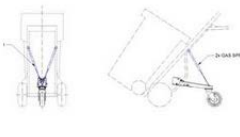
Different approach | Cam mec...
 1 5



STABILIZERLEG
 1 9



STABILIZERLEG - REV 02
 3 91



GAS SPRING v1
 4 45



Concept: double damper
 2 28



Change in the construction [...]
 7 63



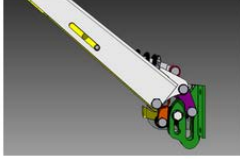
MEF STABILIZERLEG V3
 0 43



MEF STABILIZERLEG V2
 0 17



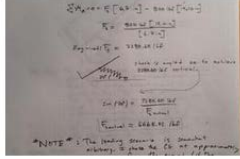
MEF STABILIZERLEG V1
 0 20



STABILIZERLEG *UPDATED*****
 13 163



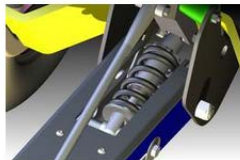
STABILIZERLEG: Concept 1
 27 200



MEF - Haulz-All Statics Solu...
 4 27



STABILIZERLEG REV 03
 2 52



Stab project
 3 25



stinger
 1 41



STABILIZATION LEG - CONCEPT



STABILIZERLEG



Stabilizer Leg Challenge





Save engineering knowledge

Call up engineering information

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Pins

Pinne interessante Bilder aus dem Internet oder hol dir Inspiration rund um die Themen Konstruktion und Technik von den Pinnwänden anderer Mitglieder.

= PINTEREST



Top Downloads "Dec 2012"
20 pins



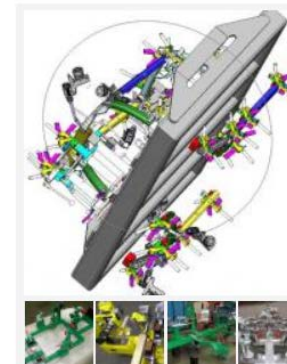
21. März 2013 · 651 views · 0 likes

(DE) Biegevorrichtung
45 pins



23. März 2013 · 8.520 views · 1 like

(DE) Schweißvorrichtung
84 pins



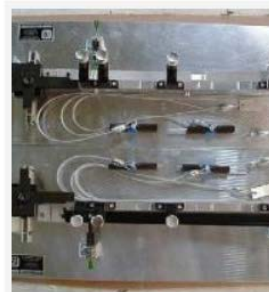
23. März 2013 · 2.227 views · 1 like

(DE) Prüfvorrichtung
21 pins



23. März 2013 · 608 views · 0 likes

(DE) Prüf- und Kontro...
26 pins



23. März 2013 · 1.105 views · 0 likes

(DE) Fräsvorrichtung
9 pins



23. März 2013 · 791 views · 0 likes





Groups + ideas + discussions

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Gruppen

Forum zum Austausch mit gleichgesinnten Ingenieuren und Technikern rund um die Themen Maschinenbau, Anlagenbau, Elektrotechnik, u.v.m.



[Michael Hintermayr](#): Willkommen zur Firmenkontaktmesse "kontakTA" der Technikerschule Augsburg

Die kontakTA ist jung, modern, dynamisch und steht für...

- ... 60 regionale und überregionale Unternehmen.
- ... Exklusivität, da Ihr Unternehmen im Mittelpunkt steht.
- ... zielgenaues Personalrecruiting.
- ... zukunftsorientierte Fachkräftesicherung.
- ... qualifizierte Absolventen der Technikerschule Augsburg.
- ... gewinnbringende Netzwerkarbeit.

<http://www.kontak-ta.de/>  less



 19. Dezember 2013



Have your ideas rated by others!

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Discussion with
3D PARTcloud.net
CAD models

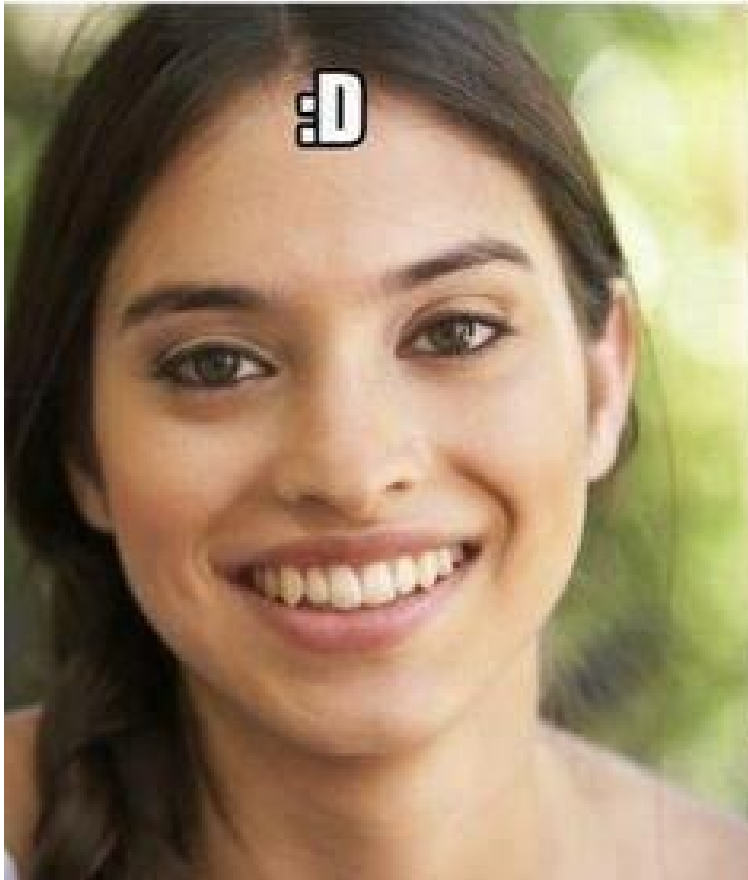
The screenshot displays a user interface for a 3D model sharing platform. At the top, there are buttons for 'Share', 'Add Photo', 'Add Link', and 'Add Video'. Below this, a user profile for 'Jürgen Heimbach' is shown next to a post titled 'AUDI A3'. The post features a 3D model of a silver Audi A3 on a red background, with a 'LEAPJS' logo in the top left corner. Below the model are several icons for different views and a row of five small thumbnail images of cars. The caption reads: 'My second model with surfaces in Catia (CATIA V5 R20 - GSD) Just for fun:'. Below the caption, it says 'AUDI A3 by Esmir Duraković is licensed under:'. To the right of the post is a vertical menu with options: 'Leave Group', 'Delete Group', 'Report Group', 'Transfer Owner', 'Share Group', 'Message Members', 'Group Albums', 'Group Discussions', 'Group Polls', and 'Group Activities'. Below the menu is a 'Statistic' section with the following data: 422 Total Views, 2 Total Members, 1 Total Albums, 1 Total Photos, and 0 Total Topics. Below the statistics is a 'Staff List' with 'Daniel Reichard (owner)'. Further down is a 'Most Active Members' section with 'Jürgen Heimbach' (2 actions) and 'Daniel Reichard' (1 action). At the bottom right, there are two large thumbs-up icons, one green and one red, with a small '3D' icon next to them.





Another small tip for comments
in discussions 😊

KNOW THE DIFFERENCE WHEN TEXTING





You are not ready for Social Media yet?

Caution: He who does not move with the times
– will be removed in due time !

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Please note:

The next generation
will bring Social Media
to the business sectors
and will work with this
technology!



Thank you very much for
your attention

QUESTIONS?

FEEDBACK?

Dipl.-Ing. (FH) Juergen Heimbach

Phone.: +49 (0) 821 - 2 58 58 0 - 0

E-Mail: J.Heimbach@[cadenas.de](mailto:J.Heimbach@cadenas.de)



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