

For the next generation:
bluEmission[®]-catalytic converters from HJS

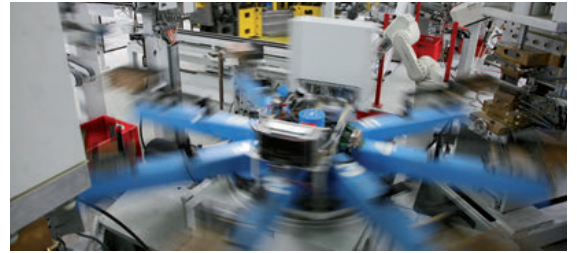
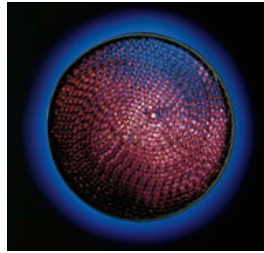


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Made in Germany – Premium quality, experience and know-how from generation to generation.

Longstanding experience and know-how in the field of exhaust after treatment. These are the characteristics that describe the family-operated and medium-sized company HJS Emission Technology GmbH & Co. KG. Our products are reliable, durable and state of the art.

The mission of our roughly 500 employees is to develop, produce and market systems that effectively reduce the emission of harmful substances. The result is innovative pollution control technologies.



The award-winning product innovations from HJS

Our business objective – environmental and health protection – influences all areas and operations at HJS. The compliance with environmental legislation and regulations,

the effective usage of natural resources, energy and ground, and the environmentally conscious behavior of our employees truly distinguishes HJS.



HJS Company history - Know-how and innovations for almost 40 years

- 1976** · Company founded by Hermann-Josef Schulte – Fitting parts for exhaust systems
- 1996** · Introduction of the retrofit catalytic converter KAT-2000
 - Automechanika Award for innovative developments in the field of automotive technologies
- 1999** · Launch of retrofit computer controlled catalytic converters in Peking/ China
- 2001** · SCRT®-Patent Johnson Matthey/HJS/Daimler AG (Selective Catalytic Reduction Technology)
- 2002** · JETFilter®-License for passenger vehicles from HJS Emission Technology GmbH & Co. KG to Robert Bosch GmbH
- 2003** · HJS is awarded the Deutschen Umweltpreis (German Environment Award)
- 2006** · HJS is declared as „select location“ for the development of the diesel particulate filter (DPF®) by the federal government's and Federation of German Industry's initiative "Deutschland – Land der Ideen" (Germany- Land of Ideas).
 - Launch of the City-Filter® (DPF®-Retrofit)
- 2007** · 30 year anniversary of HJS – „Environment Days“ with Federal Minister of Environment Sigmar Gabriel
- 2011** · Introduction of Euro 5 catalytic converters
- 2012** · Bestowal of the „MAN Truck & Bus Supplier Award“
- 2013** · blueemission®: Introduction of the new catalytic converter-generation distinguished with the internationally renowned eco-label "Blauer Engel" (Blue Angel)



HJS- Strength in Innovation: From the launch of retrofit catalytic converters* to the development of ultra-modern exhaust after treatment technologies „made in Germany“ – Our products contribute to the protection of our environment and our health.

* (Left picture (from left to right): HJS company founder Hermann-Josef Schulte and Friedrich Zimmermann, Federal Minister of Transportation from 1989 till 1991)

Why „Blue Angel“ catalytic converters?



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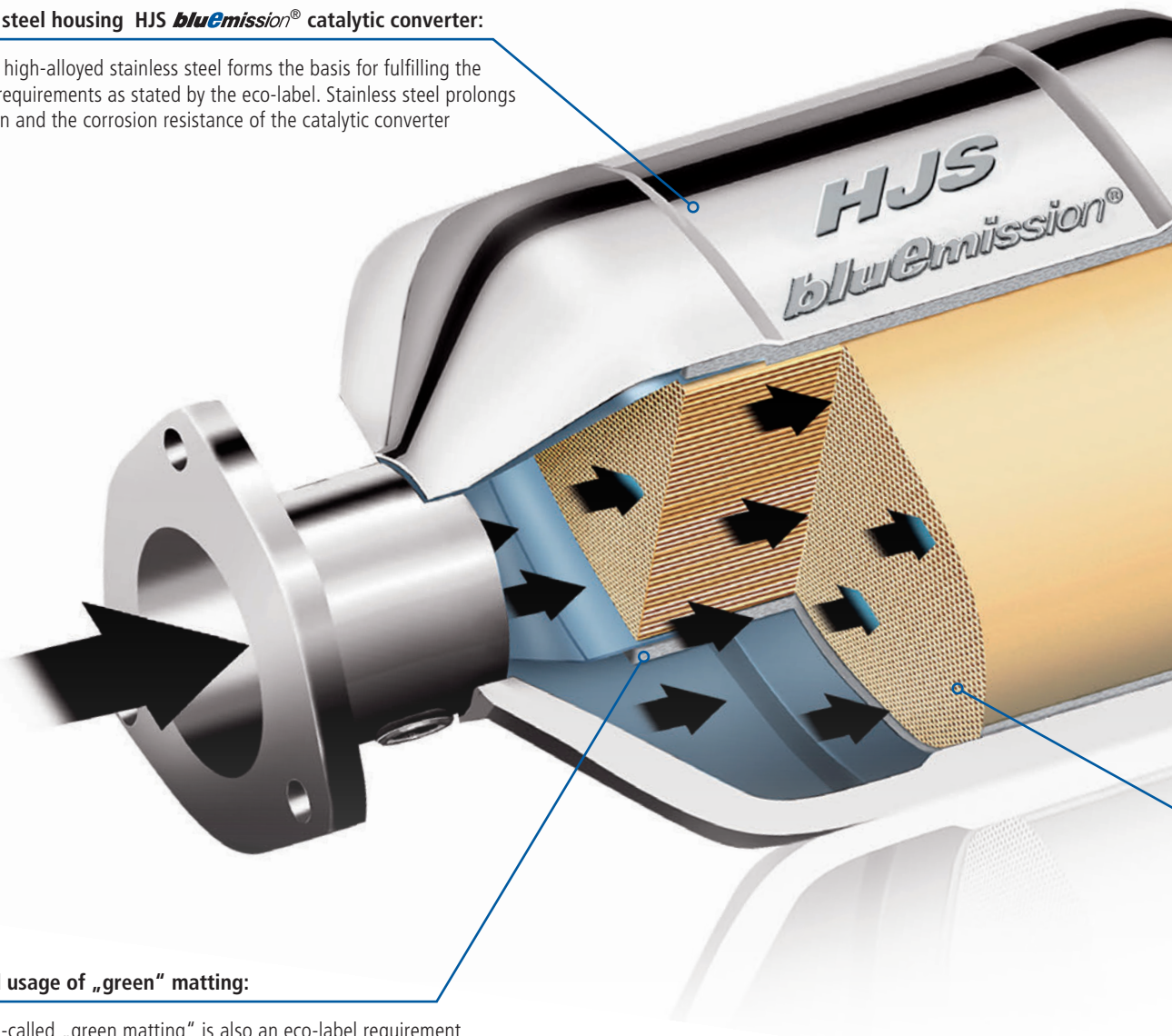
Many vehicles with catalytic converter exceed the statutory exhaust levels dramatically. So many of the replacement parts found on the market are so poorly fabricated that they malfunction within a very short time. Furthermore, some dubious catalytic converter suppliers cut down on the use of very expensive precious metals, which essentially determine how well the catalyst functions.

This is why the Deutsche Umwelthilfe e.V. (A German NGO for environment and consumer protection) initiated the „Blue Angel“ for catalytic converters.

The „Blue Angel“ is the world’s oldest and most renowned eco label for products and services. It has contributed to economical sustainability for 35 years. In the exhaust after treatment field, the eco label efficiently and permanently conduces the compliance of exhaust emission levels. TÜV Nord and the DUH have developed a procedure, which simulates the ageing and tests the durability of the catalyst.

Stainless steel housing HJS *bluEmission*[®] catalytic converter:

The use of high-alloyed stainless steel forms the basis for fulfilling the durability requirements as stated by the eco-label. Stainless steel prolongs the lifespan and the corrosion resistance of the catalytic converter housing.



Guaranteed usage of „green“ matting:

The use of so-called „green matting“ is also an eco-label requirement for catalytic converters. They ensure a reliable and secure support of the monolith and are environmentally compatible and recyclable.

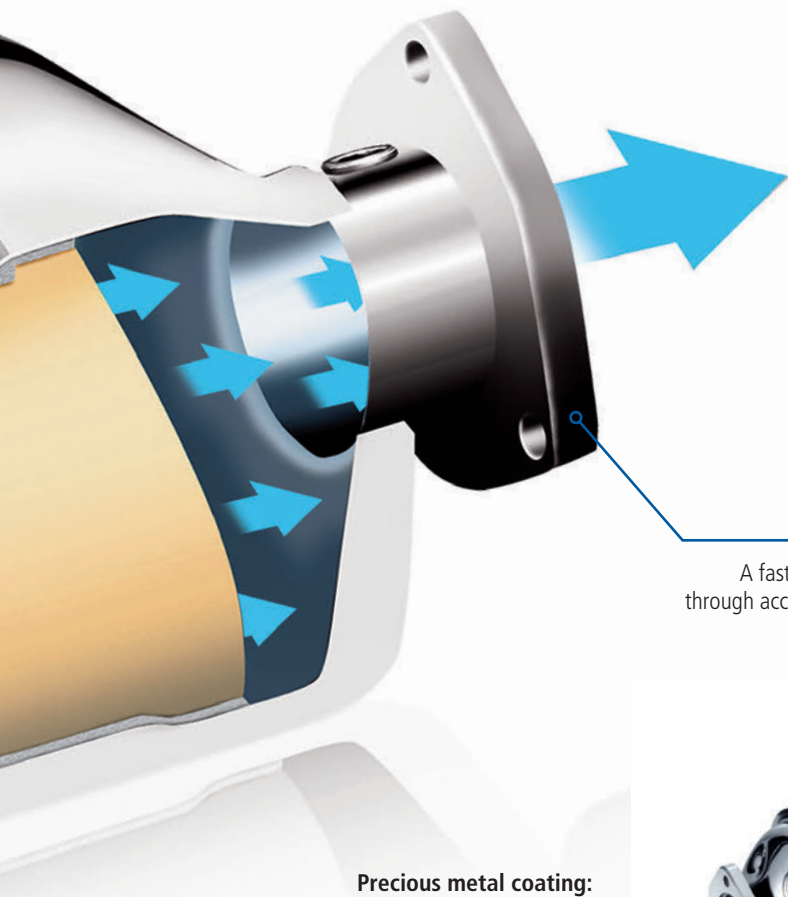
Advantages of HJS *blu@mission*[®] vs. low-budget catalytic converters

HJS *blu@mission*[®]-catalytic converter with the "Blue Angel" eco-label

- + Guaranteed usage of „green“ matting
- + Precious metal coating (Platin, rhodium and Palladium) optimized in accordance with thermal ageing to the equivalent of OE/OES
- + Long-term and consistent functionality
- + 4 years or 120,000 km warranty

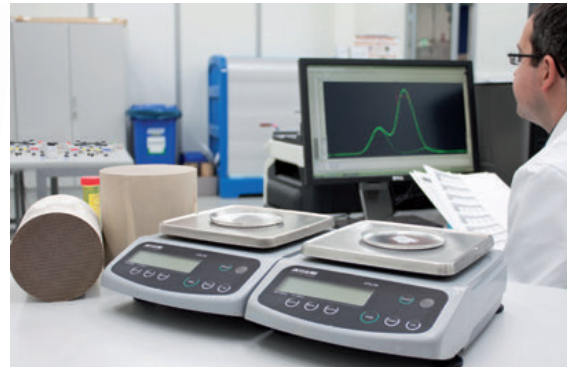
Low-budget catalytic converter

- Minimal functionality despite ECE-certification
- High pollutant emissions
- Damages the environment and health
- No additional warranty
- Poor fitting



Precious metal coating:

The emission properties of an aged catalytic converter is very dependent on the precious metal coating. By using high efficient coatings and high-grade materials, HJS can grant a 4 year or 120,000 kilometer warranty.



Laboratory assessment of HJS *blu@mission*[®] vs. low-budget catalytic converters

Extremely easy installation:

A fast and easy installation is guaranteed through accurate manufacturing and the supply of all required fitting parts.



HJS *blu@mission*[®]- catalytic converter with the "Blue Angel" eco-label

blu@mission®



– Doing fine with the “Blue Angel” eco-label on HJS *blu@mission*[®]-catalytic converters

It is a passion of HJS to minimize pollution levels and to preserve our natural resources; from generation to generation.

Roughly 11,700 products and services currently bear the „Blue Angel” eco-label. The catalytic converter brand „blu@mission” from HJS is the first catalytic converter to bear the eco-label and now sets the national and international standard.

The innovative catalytic converters „blu@mission” from HJS have been engineered according to the eco-label requirements with a specific focus on quality, durability and emission properties, assured through high amounts of the precious metals platin, rhodium and palladium.

These precious metals are a necessity for a long-lasting and consistent functionality of any catalytic converter.

Furthermore, HJS assures the use of „green matting”, which secure the monolith within the converter housing. Compared to standard matting, the so-called “green matting” is considered non-hazardous to one’s health. These mats fulfil the ever increasing demands on environmental compatibility.

Being the first manufacturer on the market, HJS pledges to guaranty the reliable and efficient performance of your blu@mission[®] catalytic converter for 4 years or 120,000 km.

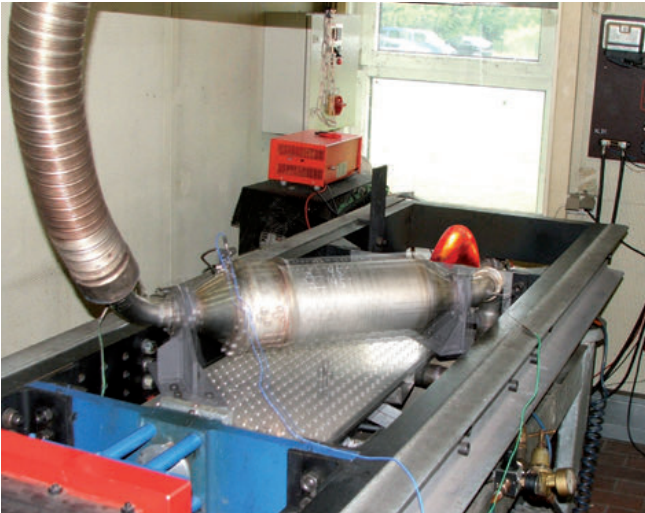


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Guarantee quality – Build trust

HJS stands for innovations that „make sense“. This image doesn't just come by chance. We have been constantly working on improving our products and service for almost 40 years. HJS is committed on strengthening the ties with our

customers through the implementation of their desires and through our employees, who have a relentless appreciation for quality.



Our „hot-shake“ test bench simulates the mechanical and thermal stress a catalytic converter experiences during the life of an automobile.



Temperature test: Simulation of external (i.e. rain water) and internal thermo influences (i.e. idle-to-high load operation) via quick temperature changes (hot to cold) in flow air currents.



Artificial ageing simulation in a high temperature oven, after which an exhaust test is performed on a dynamometer according to the eco-label requirements



Precision products with high efficiency and durability – guaranteed by a certified quality management according to ISO 9001:2008 and VDA 6, Part 1.

HJS sets new standards

Our business partners appreciate HJS as a reliable and innovative company. But that isn't enough for us. We want to strengthen and expand our competitiveness by focusing on service and innovation. We have achieved a high status with our wholesalers and service garages according to our customer satisfaction analysis from 2013.

99 percent of the workshops rated our product quality with „good“ or „very good“. 90 percent of the wholesalers rated our support team with "good" or "very good". Not only do our products show a high grade of quality and technical precision, but so does our support. HJS would like to achieve the highest possible customer satisfaction.



Cross-validation according to ECE guidelines and eco-label requirements on a certified dynamometer.



The development and determination of suitable catalytic coatings take place on an engine testing station.

The new HJS *bluEmission*[®] packaging design



The new HJS packaging offers optimal protection during transport and has a very attractive design. Product information can be found in every carton – for quick and easy installation. Furthermore a practical advertisement for the rear view mirror is included in every *bluEmission*[®]-package. Just the perfect sign for every vehicle with a newly installed *bluEmission*[®]- catalytic converter.

The HJS information hotline- always here when you need us

INFO-HOTLINE
+49 2373 987-333
hotline@hjs.com

Would you like to learn more about our new HJS bluemission®-catalytic converters or you need help finding the right parts?

Challenge us! Give us a call at +49 02373-987-333*. One of our competent team members will help you with all of your questions.

* The standard call charges from your telephone company apply.

HJS Online Product Range – Up-to-date and fast parts identification



Our goal for the HJS Online Product Range re-launch was to create a customer friendly electronic parts catalogue with familiar and reliable features from our previous catalogues.

The HJS Online Product Range is accessible without registration on our website www.hjs.com. This enables a quick and correct HJS part identification for your vehicle.



Kathi Wüstenhagen, German Rallye Champion 2009

TecDoc – The electronic parts catalogue



Europe's leading automobile parts catalogue provider offers the independent replacement parts market up-to-date and detailed data in order to properly identify and order parts.

As a certified data supplier and TecDoc shareholder, HJS is one of the first companies to upload their product data to TecDoc electronic parts catalogue.

TecCom – Digital Dialog between HJS and wholesale



HJS offers all of the advantages of an efficient electronic ordering process with our B2B-platform for the independent replacement parts market. We would like to help lower your

costs, speed up business processes and develop your competitiveness with this digital solution.

Seminars and Training



The HJS company offers seminars and trainings for wholesalers and workshops. Our trainers can inform you all about the new bluemission®-catalytic converters. What are the advantages of a bluemission®-catalytic converter?

„Blue Angel“ – what is it? Which requirements does a catalytic converter need to fulfil in order bear the eco-label „Blue Angel“? These basic questions can be answered by our employees in our seminars and trainings.

HJS – a consistent partner with PARTSLIFE



HJS is a longtime partner with the PARTSLIFE GmbH. PARTSLIFE is known for its environment management system for independent automobile workshops and is responsible for the proper and environmental conscious

disposal of waste materials. The waste from more than 10,000 workshops in Germany is properly disposed of by PARTSLIFE GmbH.

The HJS mission for the replacement parts market

HJS is a dedicated member of all of the important unions, organizations and initiatives of the independent replacement parts market. We help to protect and promote the interests and concerns of the trade market towards official agencies and the German government.

HJS also supports the initiative of renowned automobile parts manufacturers „Qualität ist Mehrwert“ (Quality is value), which promotes more quality consciousness. Therefore, HJS is compelled to show the wholesale, workshops and finally the vehicle owners the risks of low-budget automobile parts and cheap catalytic converters.



Mister A.T.Z. GmbH





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