

Automotive Catalytic Converter Market Analysis By Product (Two-Way Oxidation, Three-Way Oxidation-Reduction, Diesel Oxidation Catalyst), By Material (Platinum, Palladium, Rhodium) And Segment Forecasts To 2024

<https://marketpublishers.com/r/AEE494BE69BEN.html>

Date: March 2013

Pages: 90

Price: US\$ 4,950.00 (Single User License)

ID: AEE494BE69BEN

Abstracts

The global automotive catalytic converter market size is expected to reach USD 272.95 billion by 2024 according to a new report by Grand View Research, Inc.

In 2015, the global automotive industry experienced a relatively strong growth and profitability, with annual sales reaching pre-recession levels, especially in the U.S., China, India, Japan, and South Korea. This is anticipated to favorably impact the global automotive catalytic converter market over the forecast period. Stringent emission norms by governments and regulatory authorities worldwide have further strengthened industry growth.

Catalytic converters are constituted of precious metals such as platinum, palladium, or rhodium. These metals are used as catalysts and are enclosed in a muffler-like package, which is attached at the exhaust end. Researchers are increasingly working towards the development of advanced catalytic converters that extensively reduce the toxicity of the exhaust emissions as well as improve vehicle fuel efficiency.

However, high R&D costs pertaining to the development of innovative and efficient converters is expected impede industry growth over the next eight years. Moreover, increasing adoption of hybrid and electric vehicles is expected to challenge market growth.

Further key findings from the report suggest:

Three-way oxidation-reduction catalytic converters have a value addition over their two-way catalyst counterparts as they perform three simultaneous chemical conversions. They carry out the oxidation of carbon monoxide & un-burnt hydrocarbons to water & carbon dioxide, along with the conversion of oxides of nitrogen to nitrogen & oxygen. Three-way type converters accounted for over 35% of the industry share and are expected to maintain their dominance over the forecast period.

Diesel oxidation catalyst converters are exclusively used in diesel engine vehicles and are expected to witness a steady demand over the forecast period. They are equipped with diesel particulate filters in order to eliminate particulates from the exhaust emissions. Manufacturers and associations have stepped up their R&D activities to develop new, innovative products such as the four-way catalytic converter.

Platinum tends to be a good oxidation catalyst as a result of which it was extensively used in such automobile components in the past. However, on account of the high cost associated with platinum, it is increasingly being replaced by palladium and rhodium. Rhodium exhibits greater efficiency towards the removal of toxic exhaust emissions and is thereby expected to witness a surge in demand over the next eight years. Rhodium accounted for over 40% of the industry demand and is presumed to continue its dominance over the forecast period.

Stringent emission standards such as the Bharat Stage V & VI in India that are based on the European Standards EuroV and EuroVI have made installation of catalytic converters obligatory for automobile assemblers. This is done to inhibit the issue of harmful exhaust emissions. Europe dominated the global automotive catalytic converter industry contributing to over 30% of the global revenue in 2015. The presence of several prominent automotive manufacturers in Europe is expected to generate a steady demand in the region over the forecast period.

Key industry participants include BASF Catalysts, Faurecia, Magneti Marelli, SMPE and Tenneco. Vendors are gradually adopting innovative distribution strategies such as e-commerce retailers and offer online catalogs apart from directly supplying to automobile assemblers.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Research Methodology
- 1.2. Research Scope & Assumption
- 1.3. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Automotive catalytic converter - Industry snapshot and key buying criteria, 2014 - 2024

CHAPTER 3. AUTOMOTIVE CATALYTIC CONVERTER INDUSTRY OUTLOOK

- 3.1. Market segmentation
- 3.2. Market size and growth prospects
- 3.3. Automotive catalytic converter value chain analysis
 - 3.3.1. Vendor landscape
- 3.4. Automotive catalytic converter market dynamics
 - 3.4.1. Market driver analysis
 - 3.4.1.1. Technological advancements
 - 3.4.1.2. Rise in automotive manufacturing
 - 3.4.1.3. Stringent government norms related to carbon emission
 - 3.4.2. Market restraint analysis
 - 3.4.2.1. High R&D costs
 - 3.4.2.2. Rising adoption of Electric Vehicles (EV)
- 3.5. Key opportunities prioritized
- 3.6. Industry analysis - Porter's
- 3.7. Key competitor analysis, 2015
 - 3.7.1. Company strategy analysis
- 3.8. Automotive catalytic converter market PESTEL analysis

CHAPTER 4. AUTOMOTIVE CATALYTIC CONVERTER PRODUCT OUTLOOK

- 4.1. Two-way oxidation
 - 4.1.1. Global market estimates and forecasts, 2014 - 2024
- 4.2. Two-way oxidation
 - 4.2.1. Global market estimates and forecasts, 2014 - 2024

4.3. Diesel oxidation catalyst

4.3.1. Global market estimates and forecasts, 2014 - 2024

CHAPTER 5. AUTOMOTIVE CATALYTIC CONVERTER MATERIAL OUTLOOK

5.1. Platinum

5.1.1. Global market estimates and forecasts, 2014 - 2024

5.2. Palladium

5.2.1. Global market estimates and forecasts, 2014 - 2024

5.3. Rhodium

5.3.1. Global market estimates and forecasts, 2014 - 2024

CHAPTER 6. AUTOMOTIVE CATALYTIC CONVERTER REGIONAL OUTLOOK

6.1. North America

6.1.1. Automotive catalytic converter market by product, 2014 - 2024

6.1.2. Automotive catalytic converter market by material, 2014 - 2024

6.2. Europe

6.2.1. Automotive catalytic converter market by product, 2014 - 2024

6.2.2. Automotive catalytic converter market by material, 2014 - 2024

6.3. Asia Pacific

6.3.1. Automotive catalytic converter market by product, 2014 - 2024

6.3.2. Automotive catalytic converter market by material, 2014 - 2024

6.4. RoW

6.4.1. Automotive catalytic converter market by product, 2014 - 2024

6.4.2. Automotive catalytic converter market by material, 2014 - 2024

CHAPTER 7. COMPETITIVE LANDSCAPE

7.1. BASF Catalysts LLC

7.1.4.1 Company Overview

7.1.4.2 Financial Performance

7.1.4.3 Product Benchmarking

7.1.4.4 Strategic Initiatives

7.2. Benteler International AG

7.2.4.1 Company Overview

7.2.4.2 Financial Performance

7.2.4.3 Product Benchmarking

7.2.4.4 Strategic Initiatives

- 7.3. BM Catalytic Converters
 - 7.3.4.1 Company Overview
 - 7.3.4.2 Financial Performance
 - 7.3.4.3 Product Benchmarking
 - 7.3.4.4 Strategic Initiatives
- 7.4. Bosal
 - 7.4.4.1 Company Overview
 - 7.4.4.2 Financial Performance
 - 7.4.4.3 Product Benchmarking
 - 7.4.4.4 Strategic Initiatives
- 7.5. Calsonic Kansei
 - 7.5.4.1 Company Overview
 - 7.5.4.2 Financial Performance
 - 7.5.4.3 Product Benchmarking
 - 7.5.4.4 Strategic Initiatives
- 7.6. Deccats
 - 7.6.4.1 Company Overview
 - 7.6.4.2 Financial Performance
 - 7.6.4.3 Product Benchmarking
 - 7.6.4.4 Strategic Initiatives
- 7.7. Eberspaecher
 - 7.7.4.1 Company Overview
 - 7.7.4.2 Financial Performance
 - 7.7.4.3 Product Benchmarking
 - 7.7.4.4 Strategic Initiatives
- 7.8. European Exhaust and Catalyst Ltd
 - 7.8.4.1 Company Overview
 - 7.8.4.2 Financial Performance
 - 7.8.4.3 Product Benchmarking
 - 7.8.4.4 Strategic Initiatives
- 7.9. Faurecia
 - 7.9.4.1 Company Overview
 - 7.9.4.2 Financial Performance
 - 7.9.4.3 Product Benchmarking
 - 7.9.4.4 Strategic Initiatives
- 7.10. HJS Emission Technology GmbH & Co. KG
 - 7.10.4.1 Company Overview
 - 7.10.4.2 Financial Performance
 - 7.10.4.3 Product Benchmarking

- 7.10.4.4 Strategic Initiatives
- 7.11. Jetex Exhausts Ltd.
 - 7.11.4.1 Company Overview
 - 7.11.4.2 Financial Performance
 - 7.11.4.3 Product Benchmarking
 - 7.11.4.4 Strategic Initiatives
- 7.12. Katcon
 - 7.12.4.1 Company Overview
 - 7.12.4.2 Financial Performance
 - 7.12.4.3 Product Benchmarking
 - 7.12.4.4 Strategic Initiatives
- 7.13. Klarius Products Ltd.
 - 7.13.4.1 Company Overview
 - 7.13.4.2 Financial Performance
 - 7.13.4.3 Product Benchmarking
 - 7.13.4.4 Strategic Initiatives
- 7.14. Magneti Marelli
 - 7.14.4.1 Company Overview
 - 7.14.4.2 Financial Performance
 - 7.14.4.3 Product Benchmarking
 - 7.14.4.4 Strategic Initiatives
- 7.15. Nanjing Brilliant Tiger
 - 7.15.4.1 Company Overview
 - 7.15.4.2 Financial Performance
 - 7.15.4.3 Product Benchmarking
 - 7.15.4.4 Strategic Initiatives
- 7.16. Ningbo Kesen Exhaust Gas Cleaner Manufacturing
 - 7.16.4.1 Company Overview
 - 7.16.4.2 Financial Performance
 - 7.16.4.3 Product Benchmarking
 - 7.16.4.4 Strategic Initiatives
- 7.17. Sejong Industrial Co. Ltd.
 - 7.17.4.1 Company Overview
 - 7.17.4.2 Financial Performance
 - 7.17.4.3 Product Benchmarking
 - 7.17.4.4 Strategic Initiatives
- 7.18. SMPE
 - 7.18.4.1 Company Overview
 - 7.18.4.2 Financial Performance

7.18.4.3 Product Benchmarking

7.18.4.4 Strategic Initiatives

7.19. Tenneco, Inc.

7.19.4.1 Company Overview

7.19.4.2 Financial Performance

7.19.4.3 Product Benchmarking

7.19.4.4 Strategic Initiatives

7.20. TP Cats

7.20.4.1 Company Overview

7.20.4.2 Financial Performance

7.20.4.3 Product Benchmarking

7.20.4.4 Strategic Initiatives

7.21. Walker Emission Controls

7.21.4.1 Company Overview

7.21.4.2 Financial Performance

7.21.4.3 Product Benchmarking

7.21.4.4 Strategic Initiatives

7.22. Yutaka

7.22.4.1 Company Overview

7.22.4.2 Financial Performance

7.22.4.3 Product Benchmarking

7.22.4.4 Strategic Initiatives

I would like to order

Product name: Automotive Catalytic Converter Market Analysis By Product (Two-Way Oxidation, Three-Way Oxidation-Reduction, Diesel Oxidation Catalyst), By Material (Platinum, Palladium, Rhodium) And Segment Forecasts To 2024

Product link: <https://marketpublishers.com/r/AEE494BE69BEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AEE494BE69BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970