

Automotive Catalytic Converter Market by Product (Two-way Oxidation, Three-way Oxidation-reduction, Diesel Oxidation Catalyst), Material (Platinum, Palladium, Rhodium), Vehicle Type (Passenger Cars, Commercial Vehicles), and Region 2023-2028

<https://marketpublishers.com/r/A9ADA8BDE4CDEN.html>

Date: July 2023

Pages: 143

Price: US\$ 2,499.00 (Single User License)

ID: A9ADA8BDE4CDEN

Abstracts

Market Overview:

The global automotive catalytic converter market size reached US\$ 13.46 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 20.11 Billion by 2028, exhibiting a growth rate (CAGR) of 7.10% during 2023-2028. The rising environmental concerns among the masses, the increasing need for reducing carbon emissions across the globe, and the shifting inclination toward electric vehicles (EVs) and internal combustion engine (ICE) vehicles represent some of the key factors driving the market.

An automotive catalytic converter is a crucial component of a vehicle's exhaust system that plays a significant role in reducing harmful emissions and protecting the environment. It is essentially a specialized device designed to convert toxic gases and pollutants produced by the combustion of fuel into less harmful substances before they are released into the atmosphere. Carbon monoxide (CO), nitrogen oxides (NOx), and unburned hydrocarbons (HC) are the three main pollutants that a catalytic converter is designed to help transform. The catalytic converter consists of a robust outer shell, typically manufactured of stainless steel, to withstand high temperatures and protect the internal components. Inside, there is a honeycomb-like structure composed of a ceramic or metallic substrate coated with precious metals, such as platinum, palladium, and rhodium. These metals act as catalysts to facilitate the chemical reactions that convert harmful gases into less harmful ones. To ensure efficient operation, the catalytic

converter requires a specific temperature range for the chemical reactions to occur optimally. This temperature is typically achieved within a few minutes of the engine starting once the converter reaches its operating temperature.

Automotive Catalytic Converter Market Trends:

Significant growth in the automotive sector majorly drives the global market. Coupled with the implementation of strict emission standards by governments across the globe to reduce air pollution and promote environmental sustainability, this is impelling the adoption of catalytic converters as they aid in reducing harmful emissions. Along with this, the rising awareness about environmental pollution, particularly related to air quality, is driving the demand for automotive catalytic converters across the globe. With the growing focus on sustainability, there is an increasing preference for vehicles that have minimal impact on the environment. This is encouraging the deployment of catalytic converters since they help to reduce harmful emissions, making them an essential component in addressing environmental concerns. In addition, the shifting inclination toward electric vehicles (EVs), and internal combustion engine (ICE) vehicles is also positively influencing the market. Additionally, the introduction of fuel cell vehicles, which also use catalytic converters, is another acting as growth-inducing factor. Furthermore, continual advancements in catalyst formulations, substrate materials, and coating technologies to improve the performance and durability of catalytic converters are creating a positive market outlook.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global automotive catalytic converter market, along with forecasts at the global, regional, and country levels from 2023-2028. Our report has categorized the market based on product, material, and vehicle type.

Product Insights:

Two-way Oxidation

Three-way Oxidation-reduction

Diesel Oxidation Catalyst

The report has provided a detailed breakup and analysis of the automotive catalytic converter market based on the product. This includes two-way oxidation, three-way oxidation-reduction, and diesel oxidation catalyst. According to the report, the three-way oxidation-reduction represented the largest segment.

Material Insights:

Platinum
Palladium
Rhodium

A detailed breakup and analysis of the automotive catalytic converter market based on the material has also been provided in the report. This includes platinum, palladium, and rhodium. According to the report, rhodium accounted for the largest market share.

Vehicle Type Insights:

Passenger Cars
Commercial Vehicles

The report has provided a detailed breakup and analysis of the automotive catalytic converter market based on the vehicle type. This includes passenger cars and commercial vehicles. According to the report, the passenger cars represented the largest segment.

Regional Insights:

North America
United States
Canada
Asia Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain

Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Europe (Germany, France, the United Kingdom, Italy, Spain, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Europe was the largest market for automotive catalytic converter. Some of the factors driving the Europe automotive catalytic converter market included raising awareness about environmental issues, the emerging trend of sustainability, rapid industrialization, etc.

Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global automotive catalytic converter market. Also, detailed profiles of all major companies have been provided. Some of the companies covered include BASF SE, BENTELER International Aktiengesellschaft, BOSAL Nederland B.V., European Exhaust & Catalyst Ltd, HJS Emission Technology GmbH & Co. KG, Jetex Exhausts Ltd, Sango Co. Ltd., Tenneco Inc., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report:

How has the global automotive catalytic converter market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global automotive catalytic converter market?

What is the impact of each driver, restraint, and opportunity on the global automotive catalytic converter market?

What are the key regional markets?

Which countries represent the most attractive automotive catalytic converter market?

What is the breakup of the market based on the product?

Which is the most attractive product in the automotive catalytic converter market?

What is the breakup of the market based on the material?

Which is the most attractive material in the automotive catalytic converter market?

What is the breakup of the market based on the vehicle type?

Which is the most attractive vehicle type in the automotive catalytic converter market?

What is the competitive structure of the global automotive catalytic converter market?

Who are the key players/companies in the global automotive catalytic converter market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL AUTOMOTIVE CATALYTIC CONVERTER MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY PRODUCT

- 6.1 Two-way Oxidation
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Three-way Oxidation-reduction
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Diesel Oxidation Catalyst

6.3.1 Market Trends

6.3.2 Market Forecast

7 MARKET BREAKUP BY MATERIAL

7.1 Platinum

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Palladium

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Rhodium

7.3.1 Market Trends

7.3.2 Market Forecast

8 MARKET BREAKUP BY VEHICLE TYPE

8.1 Passenger Cars

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Commercial Vehicles

8.2.1 Market Trends

8.2.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 Japan

9.2.2.1 Market Trends

- 9.2.2.2 Market Forecast
- 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 DRIVERS, RESTRAINTS, AND OPPORTUNITIES

10.1 Overview

10.2 Drivers

10.3 Restraints

10.4 Opportunities

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

- 14.3.1 BASF SE
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
- 14.3.2 BENTELER International Aktiengesellschaft
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
- 14.3.3 BOSAL Nederland B.V.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
- 14.3.4 European Exhaust & Catalyst Ltd
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
- 14.3.5 HJS Emission Technology GmbH & Co. KG
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
- 14.3.6 Jetex Exhausts Ltd
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
- 14.3.7 Sango Co. Ltd.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Tenneco Inc.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
 - 14.3.8.3 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Automotive Catalytic Converter Market: Key Industry Highlights, 2022 & 2028

Table 2: Global: Automotive Catalytic Converter Market Forecast: Breakup by Product (in Million US\$), 2023-2028

Table 3: Global: Automotive Catalytic Converter Market Forecast: Breakup by Material (in Million US\$), 2023-2028

Table 4: Global: Automotive Catalytic Converter Market Forecast: Breakup by Vehicle Type (in Million US\$), 2023-2028

Table 5: Global: Automotive Catalytic Converter Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 6: Global: Automotive Catalytic Converter Market: Competitive Structure

Table 7: Global: Automotive Catalytic Converter Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Automotive Catalytic Converter Market: Major Drivers and Challenges

Figure 2: Global: Automotive Catalytic Converter Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Automotive Catalytic Converter Market Forecast: Sales Value (in Billion US\$), 2023-2028

Figure 4: Global: Automotive Catalytic Converter Market: Breakup by Product (in %), 2022

Figure 5: Global: Automotive Catalytic Converter Market: Breakup by Material (in %), 2022

Figure 6: Global: Automotive Catalytic Converter Market: Breakup by Vehicle Type (in %), 2022

Figure 7: Global: Automotive Catalytic Converter Market: Breakup by Region (in %), 2022

Figure 8: Global: Automotive Catalytic Converter (Two-way Oxidation) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Automotive Catalytic Converter (Two-way Oxidation) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Automotive Catalytic Converter (Three-way Oxidation-reduction) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Automotive Catalytic Converter (Three-way Oxidation-reduction) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Automotive Catalytic Converter (Diesel Oxidation Catalyst) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Automotive Catalytic Converter (Diesel Oxidation Catalyst) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Automotive Catalytic Converter (Platinum) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Automotive Catalytic Converter (Platinum) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Automotive Catalytic Converter (Palladium) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Automotive Catalytic Converter (Palladium) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Automotive Catalytic Converter (Rhodium) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Automotive Catalytic Converter (Rhodium) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Automotive Catalytic Converter (Passenger Cars) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Automotive Catalytic Converter (Passenger Cars) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Automotive Catalytic Converter (Commercial Vehicles) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Automotive Catalytic Converter (Commercial Vehicles) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: North America: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: North America: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: United States: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: United States: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Canada: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Canada: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Asia-Pacific: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Asia-Pacific: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: China: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: China: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Japan: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Japan: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: India: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: India: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: South Korea: Automotive Catalytic Converter Market: Sales Value (in Million

US\$), 2017 & 2022

Figure 39: South Korea: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Australia: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 41: Australia: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: Indonesia: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: Indonesia: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Others: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Others: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Europe: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Europe: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: Germany: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: Germany: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: France: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: France: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: United Kingdom: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: United Kingdom: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: Italy: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: Italy: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Spain: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Spain: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Russia: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Russia: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Others: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Others: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Latin America: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Latin America: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Brazil: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Brazil: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Mexico: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Mexico: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Others: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Others: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Middle East and Africa: Automotive Catalytic Converter Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Middle East and Africa: Automotive Catalytic Converter Market: Breakup by Country (in %), 2022

Figure 72: Middle East and Africa: Automotive Catalytic Converter Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 73: Global: Automotive Catalytic Converter Industry: Drivers, Restraints, and Opportunities

Figure 74: Global: Automotive Catalytic Converter Industry: Value Chain Analysis

Figure 75: Global: Automotive Catalytic Converter Industry: Porter's Five Forces Analysis

I would like to order

Product name: Automotive Catalytic Converter Market by Product (Two-way Oxidation, Three-way Oxidation-reduction, Diesel Oxidation Catalyst), Material (Platinum, Palladium, Rhodium), Vehicle Type (Passenger Cars, Commercial Vehicles), and Region 2023-2028

Product link: <https://marketpublishers.com/r/A9ADA8BDE4CDEN.html>

Price: US\$ 2,499.00 (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/A9ADA8BDE4CDEN.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