

# Automotive Selective Catalytic Reduction Market Size, Share, Trends and Forecast by Component, Vehicle Type, Fuel Type, and Region, 2026-2034

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## Abstracts

The global automotive selective catalytic reduction market size was valued at USD 9.5 Billion in 2025. Looking forward, IMARC Group estimates the market to reach USD 14.2 Billion by 2034, exhibiting a CAGR of 4.43% during 2026-2034. Asia Pacific currently dominates the market, holding a significant market share of over 38.9% in 2025, driven by growing industrial activities, strict emission standards, and increasing adoption of diesel vehicles, especially in China, India, and Japan.

Automotive selective catalytic reduction (SCR) is an advanced active emissions control technology system that reduces nitrogen oxide (NOx) tailpipe emissions to near-zero levels in newer generation diesel-powered vehicles and equipment. It relies on diesel exhaust fluid (DEF) to convert nitrogen oxides into nitrogen, water, and tiny amounts of carbon dioxide (CO<sub>2</sub>). It is highly cost-effective and fuel-efficient, which allows manufacturers to balance engine performance and maximize fuel economy. At present, there is a rise in the production of vehicles, which is catalyzing the demand for automotive selective catalytic reduction (SCR) globally.

Automotive Selective Catalytic Reduction (SCR) Market Trends:

The growing utilization of automotive catalysts systems in emission control devices of automobiles represents one of the key factors driving the market across the globe. Moreover, governments of several countries are implementing stringent regulations on the emission of pollutants from vehicles owing to the combustion of fuels, such as diesel fuel, fuel oil, petrol, gasoline, and biodiesel. As a result, manufacturers are installing automotive SCR systems in vehicles, which is propelling the growth of the market. In addition, there is a considerable increase in the prevalence of respiratory diseases due

to the growing air pollution around the world. This, coupled with the rising awareness about the benefits of automotive SCR to reduce emissions, is offering lucrative growth opportunities to industry investors. Besides this, the increasing development of transportation infrastructure worldwide is positively influencing the market. Apart from this, key market players are extensively investing in research and development (R&D) activities to develop three-way catalysts for vehicles that improve fuel efficiency and reduce carbon dioxide (CO<sub>2</sub>) emission substantially at lower operating temperatures. In line with this, the expanding automobile industry is bolstering the growth of the market.

#### Market Segmentation:

This report provides an analysis of the key trends in each segment of the global automotive selective catalytic reduction market, along with forecast at the global, regional, and country levels from 2026-2034. The market has been categorized based on component, vehicle type, and fuel type.

#### Breakup by Component:

Urea Tank

Urea Pump

Engine Control Unit (ECU)

Injector

Others

#### Breakup by Vehicle Type:

Passenger Vehicles

Commercial Vehicles

#### Breakup by Fuel Type:

Gasoline

Diesel

Breakup by Region:

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

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BASF SE, BOSAL, Continental AG, CORMETECH Inc., Faurecia SE, Johnson Matthey, Kautex Textron GmbH & Co. KG (Textron Inc.), Magneti Marelli S.p.A., Plastic Omnium, Robert Bosch GmbH, Röchling SE & Co. KG and Tenneco Inc.

#### Key Questions Answered in This Report

1. How big is the automotive selective catalytic reduction market?
2. What is the future outlook of automotive selective catalytic reduction market?
3. What are the key factors driving the automotive selective catalytic reduction market?
4. Which region accounts for the largest automotive selective catalytic reduction market share?
5. Which are the leading companies in the global automotive selective catalytic reduction market?

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