

Emission Control Catalyst Market Size, Share & Trends Analysis Report By Product (Palladium, Platinum, Rhodium), By Application (Automotive, Industrial), By Catalytic Converter, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Emission Control Catalyst Market Growth & Trends

The global emission control catalyst market size is expected to reach USD 60.0 million by 2030, according to a new report by Grand View Research, Inc. The market is estimated to expand at a CAGR of 3.6% from 2025 to 2030. Improving application of three-way oxidation-reduction converters in automotive applications is expected to drive market growth. Stringent environment regulations aimed at reducing carbon emissions in the major markets including U.S., Germany, India and Japan is projected to have a favorable impact on the market over the forecast period.

The automotive sector is expected to foresee growth at a CAGR from 2025 to 2030, in terms of volume. The emergence of Mexico as an automotive production destination on account of rising domestic demand for passenger and commercial vehicles along with proximity to the U.S. is expected to increase the application of emission reduction catalyst over the next eight years.

Emission Control Catalyst Market Report Highlights

The global emission control catalyst market size was estimated at USD 46.5 million in 2024 and is projected to grow at a

CAGR of 3.6% from 2025 to 2030

Rhodium-based emission reduction catalyst register significant growth over the forecast period. Natural adaptive features with other metals including platinum and palladium coupled with high market visibility in the catalyst industry is expected to promote the usage of the product.

Mobile sources (off road and on road) dominated the market in 2024 due to heightened regulatory pressures and increased vehicle production, and the stationary sources are projected to grow at the fastest rate over the forecast period.

Major emission control catalyst manufacturers include Johnson Matthey, BASF, Solvay, Umicore, Clariant and Corning Incorporated. Increasing expenditure on R&D and establishment of strategic partnerships with buyers including catalytic converter vendors is expected to remain a critical success factor over the next eight years.

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