

Catalytic Converter Market To Reach USD 75 Billion By 2026 | Reports And Data

Catalytic Converter Market Size – USD 40 Billion in 2018, Market Growth - CAGR of 8.4%, Catalytic Converter Industry Trends – Product launches and research for low cost catalytic converters

      Email  Print Friendly  Share

August 06, 2019 12:34 ET | Source: Reports and Data

New York, Aug. 06, 2019 (GLOBE NEWSWIRE) -- According to the current analysis of Reports and Data, the global catalytic converter market was valued at USD 40 Billion in 2018 and is expected to reach USD 75 Billion by year 2026, at a CAGR of 8.4%. The study covers catalytic converters, which are used to treat the harmful exhaust gasses and reduce them into less-harmful exhaust gasses. Recent emergence of strict emission regulations has led to the development of catalytic converters which can reduce the impact of emission gasses into the environment. New material combinations are being experimented for producing low cost catalytic converters.

Phenomenal growth of the automobile market worldwide, significant focus of automotive OEMs towards the production of low-cost and low-emission catalytic converters, rising demands of population for performance aftermarket automotive parts, availability of public as well private funds for research, and favorable regulatory scenario, are some of the key factors propelling market growth in the industry. However, associated high cost of the raw material, and emergence of electric vehicles, are the major hindrance for market growth during 2019-2026.

Request free sample of this research report at:
<https://www.reportsanddata.com/sample-enquiry-form/1673>

Further key findings from the report suggest

- Catalytic Converter market is growing at the highest rate in Asia Pacific followed by North America and Europe. High demand for automobiles across the globe and the requirement of emission controlling products are the key factor to accelerate the market growth during forecast period across all regions
- As of 2018, Palladium and Rhodium are the preferred type of materials that are used for the manufacture of catalytic converters in the global market. They hold more than 80% of the category share. The use of Platinum has significantly fallen during the past, high cost associated with the metal is the prime reason for this
- The Three-Way type catalytic converter holds the largest market share, followed by diesel oxidation catalyst. Diesel oxidation catalyst is widely used in heavy vehicles like trucks, busses, lorries and vans.
- Generators, forklifts, mining equipment and locomotives make up about 20-25% of the market share for catalytic converters.
- Asia Pacific is expected to account for about 40% of the global Catalytic Converter market. Developing nations such China, and India are likely to witness high growth
- North America is expected to be the largest market for performance aftermarket catalytic converters. This region is expected to show strong growth due to the increasing demand of the consumers
- Associated cost of the product and tightening environmental regulations are likely to hinder the market growth during the forecast period
- Key participants include BASF SE, Continental, Faurecia, Benteler International AG, Eberspacher, Magnaflow, Johnson Matthey, Umicore, Tenneco-Walker, CDTi Advanced Materials Inc.

To identify the key trends in the industry, click on the link below:

<https://www.reportsanddata.com/report-detail/catalytic-converter-market>

Segments covered in the report:

For the purpose of this report, Reports and Data has segmented the catalytic converter market on the basis of type, material type, and region:

Type (Revenue, USD Million; 2016–2026)

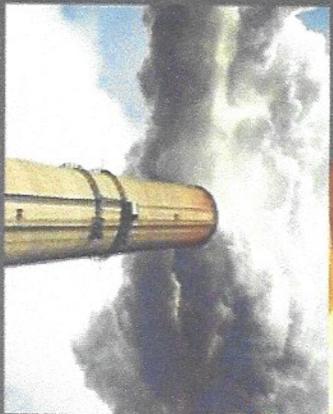
- Two Way
- Three Way
- Diesel Oxidation Catalyst

Material Type (Revenue, USD Million; 2016–2026)

- Palladium
- Rhodium
- Platinum

Order Now: <https://www.reportsanddata.com/checkout-form/1673>

Regional Outlook (Revenue in USD Million; 2016–2026)

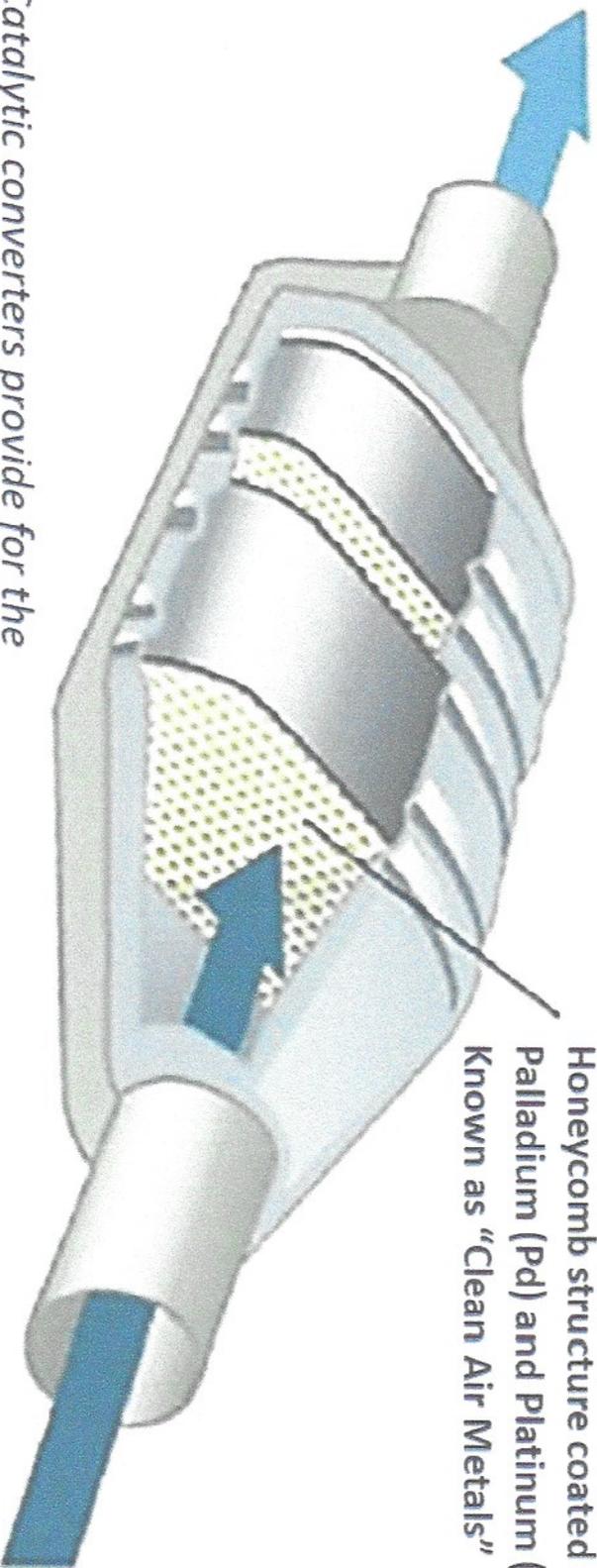


- The only current method to recover Pd & Pt from Cat Converters is Smelting
- Most of the North American Cat Converter smelting is done overseas: Europe, South Africa and Asia, resulting in significant shipping costs
- Turn around time from smelters to the recyclers is over 180 days, with often biased reporting on metal recoveries in favor of the smelter
- Not only do smelters have limited capabilities, they emit excessive CO₂ and toxic pollution

Current Recycling Method

Catalytic Converter

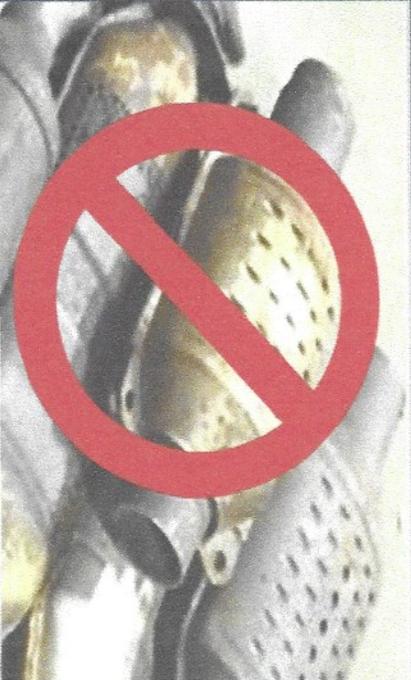
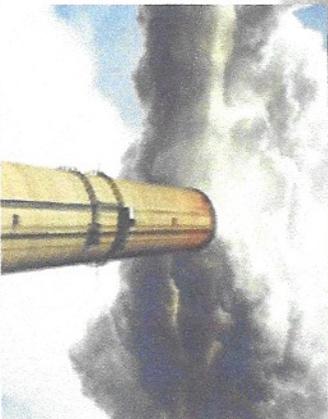
Nitrogen (N_2) Water Vapor (H_2O)
Carbon Dioxide (CO_2)



Honeycomb structure coated with
Palladium (Pd) and Platinum (Pt)
Known as "Clean Air Metals"

*Catalytic converters provide for the
oxidation and reduction of toxic by-
products of gasoline and diesel engines
into less hazardous substances*

Carbon Monoxide (CO) Nitrogen Oxides (NOx)
Particulate Matter (PM) Hydrocarbon (HC)



Diesel Catalytic Converters

Diesel Catalytic Converters, represent a massive untapped market; and a serious and growing problem for the recycling industry

- Diesel Oxidation Catalysts (DOC) and Diesel Particulate Filters (DPF) are very difficult to process.
- Most smelters and refiners now refuse to accept diesel cat feedstock due to the trapped carbon exploding and damage to the furnace.
- Diesel cats contain 2-5 times more Pd & Pt than gasoline cats
- North America has over 35% of the diesel engine market

- Worldwide, Cat Converters require about 12,600,000 oz of Pd and Pt per year to meet the exhaust emission regulations for both gasoline and diesel engines
- Pd & Pt are known as “Clean Air Metals” due to their use as critical components in Cat Converters
- A typical gasoline auto or light truck cat converter contains two to 12 grams of Pd and an equal amount of Pt
- Less than 30% of the Pd & Pt in Cat Converters are recovered every year



Catalytic Converter Recycling

- Worldwide, 90 Million catalytic converters are needed for new vehicles each year
- There are about 1.2 Billion vehicles on the road globally
- 27 million catalytic converters become available as scrap per year
- 80% of the world's supply of Pd and 50% of the world's supply of Pt are used in cat converters annually
- Recycling of both Pd and Pt are needed to meet demand