

Report Information

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Automotive Exhaust Gas Recirculation (EGR) Systems Market Research Report - Global Forecast till 2032

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Description:

Automotive Exhaust Gas Recirculation Market Overview

The Automotive Exhaust Gas Recirculation (EGR) Market is projected to grow from 74.5 USD Bn in 2021 to 132.5 USD Bn by 2032, exhibiting a compound annual growth rate (CAGR) 5.5% during the forecast period (2023 - 2032). Global Automotive Exhaust Gas Recirculation (EGR) Systems Market has experienced potential growth over the past few years. It has been projected that the market will grow at the same pace during the forecast period. Automotive exhaust gas recirculation (EGR) systems market looks promising during the forecast period due to the major driving factors such as booming automotive industry, expansion of global players into emerging nations, and growing urbanization. On the other hand, the significant trends and opportunities in the market are a combination of exhaust gas recirculation (EGR) and selective catalytic reduction (SCR) systems and emerging economies. However, the major challenges that restrain the market growth are the availability of substitute, pricing pressure, and strict government regulations for certification of automotive exhaust gas recirculation (EGR) systems.

The global automotive exhaust gas recirculation (EGR) systems, by region, has been segmented into four major regions such as North America, Europe, Asia-Pacific, and rest of the world. Over the last couple of years, the automotive industry has experienced a booming phase in the global market as several new technologies are coming into the market. Geographically, in 2018, the Asia-Pacific region has accounted for the largest market for automotive exhaust gas recirculation systems, followed by North America and Europe. Asia-Pacific region has registered the fastest-growing region due to the presence of emerging economies such as China, India, South Korea, and Japan. Moreover, several automotive giants have shifted their focus in this region and have planned to expand their operations in the APAC region. Till the forecast year, the global market is expected to witness the cutthroat competition between North America and Europe, in terms of revenue and market share.

In North America, the market for automotive exhaust gas recirculation (EGR) systems is expected to grow with an increase in demand for automobile, majorly in the US. There is an immense demand for commercial vehicles in the US. The increase in demand for commercial vehicles drives demand for automotive exhaust gas recirculation (EGR) systems market. The growth of the North America region is also driven by the presence of major automotive EGR systems manufacturers, which are mainly focusing on key developments such as expansion, mergers & acquisition, product launch, and others. Moreover, the spending of most of the time inside vehicles by the people generates the need for the adoption of advanced technologies, such as automotive exhaust gas recirculation (EGR) systems.

Segmentation

The global automotive exhaust gas recirculation (EGR) systems market has been segmented based on product type, application, and vehicle type, and region.

Based on product type, the market has been segregated into the EGR cooler, EGR valve, and EGR pipe. Among these types, in 2018, the EGR valve segment accounted for the highest market share, followed by EGR cooler and EGR pipes whereas exhaust gas recirculation coolers (EGR coolers) is projected to witness significant growth over the forecast period. To comply with the new emission limits, companies are incorporating cooled exhaust gas recirculation (EGR) due to EGR cooler device is aid in reducing nitrogen oxide emissions (NOx) for internal combustion engines.

On the basis of vehicle type, the global automotive exhaust gas recirculation (EGR) systems market has been segregated into a passenger car, light commercial vehicle, and heavy commercial vehicles. The passenger car segment is projected to be dominant throughout the forecast period due to the rising demand of passenger car among a large pool of population, increasing disposable per capita income in emerging countries, and expansion of global auto-manufacturers into new emerging

markets.

On the basis of application, the market has been classified as diesel and gasoline. The diesel segment is expected to grow at the highest CAGR during the forecast period. Automotive exhaust gas recirculation (EGR) systems are widely used in diesel engine vehicles such as light-duty, medium-duty, and heavy-duty vehicles. In diesel-powered engine vehicles, EGR acts in reducing nitrogen oxide emission. Along with this, it also helps in enhancing vehicles performance and average per mile. Hence, the diesel segment is growing at a rapid pace in the global market.

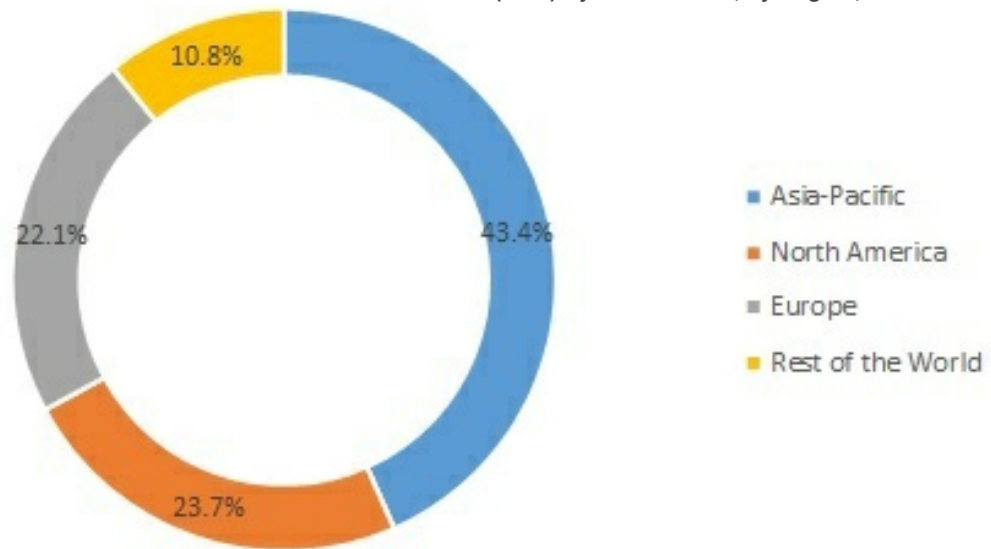
Regional Analysis

On the basis of region, the global automotive exhaust gas recirculation (EGR) systems market is segmented into North America, Europe, Asia-Pacific (APAC), and the rest of the world (RoW).

Key Competitors

The key players of the global automotive exhaust gas recirculation (EGR) systems market are Mahle GmbH, Wells Vehicle Electronics, BorgWarner Inc., Combustion Ltd, Delphi ANSYS Inc., DENSO Europe BV, Eberspächer Climate Control Systems GmbH & Co. KG, Friedrich Boysen GmbH & Co. KG, ElringKlinger AG, and IAV GmbH.

Global Automotive Exhaust Gas Recirculation (EGR) Systems Market, by Region, 2018



Source: MRFR Analysis

The rest of the world (RoW) consists of the Middle East & Africa and South America. The RoW region is projected to witness significant growth in the global automotive exhaust gas recirculation (EGR) systems market during the forecast period due to the growing demand for luxurious vehicles, especially from the MEA region.

Synopsis

The global automotive exhaust gas recirculation (EGR) systems market has been segmented based on product type, application, vehicle type, and region. On the basis of product type, the EGR valve segment is projected to witness significant growth. Segmentation based on application, in 2018, the diesel segment was led the global market. On the basis of vehicle type, the global automotive exhaust gas recirculation (EGR) systems market is segmented into a passenger vehicle, light commercial vehicle, and heavy commercial vehicle. The passenger car segment is expected to dominate the market due to growing production and sales of cars and SUVs in emerging countries such as China and India. Among the regions, in 2018, the global automotive exhaust gas recirculation (EGR) systems market was led by Asia-Pacific followed by North America and Europe.

Market Segmentation

- By Product Type: EGR cooler, EGR valve, and EGR pipe
- By Vehicle Type: Passenger vehicle, light commercial vehicle, and heavy commercial vehicle
- By Application: Gasoline and diesel

Key Questions Addressed by the Report

- What was the historic market size (20118)?
- Which segmentation (product type/application/vehicle type) is driving market growth?
- What will be the growth rate by 2032?
- Who are the key players in this market?
- What are the strategies adopted by key players?

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