

Automotive Actuators Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global automotive actuators market size reached US\$ 26.8 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 37.4 Billion by 2028, exhibiting a growth rate (CAGR) of 5.5% during 2023-2028.

Automotive actuators are an indispensable integrated component of electronic control systems in commercial and passenger vehicles. They mainly control various automobile mechanisms and bring them into motion by converting and supplying energy generated from various sources, including electricity and hydraulics. Automotive actuators comprise internal relays inside the engine system, which assist in activating control valves. They also regulate throttles for directing airflow in the climate management systems, operate power liftgates, and adjust engine flywheel rotation speed and torque to optimize overall vehicular efficiency and performance. Besides this, automotive actuators are extensively used in industrial procedures to operate valves, fluid couplings, and dampers. At present, they are commercially available in hydraulic, electric, and pneumatic variants.

Automotive Actuators Market Trends:

With the significant expansion in the automotive industry, there has been an increasing demand for downsizing vehicle engines to enhance fuel efficiency, which is primarily driving the automotive actuators market toward growth. Moreover, the rising security concerns and the growing incidences of road accidents due to drunken driving, rash driving, and control loss have further facilitated the extensive installation of automotive actuators in cars. Additionally, escalating environmental consciousness has prompted governments of several countries to promote the incorporation of electric and hydraulic automotive actuators in vehicles, which is contributing to the market growth. These

mechanical systems do not require fuel that causes internal combustion in the engine and produces greenhouse gas (GHG) emissions. In line with this, the introduction of intelligent automotive actuators with smart sensors, control units, and the Internet of Things (IoT) solutions to sense the speed and movement of the vehicle and calculate the distance between the object and the automobile is propelling the market growth. Other factors, such as the growing sales of autonomous cars and the widespread installation of automotive actuators in heating, ventilation, and air conditioning (HVAC) systems and refrigerants, are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global automotive actuators market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product, motion, vehicle type and sales channel.

Breakup by Product:

- Brake Actuators
- HVAC Actuators
- Headlamp Actuators
- Grill Shutter Actuators
- Seat Actuators
- Coolant and Refrigerant Valve Actuators
- Others

Breakup by Motion:

- Linear
- Rotatory

Breakup by Vehicle Type:

- Passenger Vehicles
- Commercial Vehicles
- Others

Breakup by Sales Channel:

Original Equipment Manufacturer (OEM)
Aftermarket

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 BorgWarner Inc., Continental AG, CTS Corporation, DENSO Corporation, EFI Automotive, HELLA GmbH & Co. KGaA (Faurecia SE), Hitachi Ltd., Johnson Electric Holdings Limited, MAHLE GmbH, Mitsubishi Electric Corporation, Nidec Corporation, Robert Bosch GmbH and Stoneridge Inc.

Key Questions Answered in This Report:

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

What has been the impact of COVID-19 on the global automotive actuators market?

What are the key regional markets?

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

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

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

What is the breakup of the market based on the sales channel?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global automotive actuators market and who are the key players?

What is the degree of competition in the industry?

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