

# Global Automotive Piezoelectric Actuator Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Automotive Piezoelectric Actuator market size was valued at US\$ 554 million in 2024 and is forecast to a readjusted size of USD 889 million by 2031 with a CAGR of 7.1% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Piezoelectric actuators use the reverse piezoelectric effect where materials such as Lead Zirconate Titanate (PZT), Lead Magnesium Niobate (PMN), and Lead-free Materials generate an electric current due to mechanical stresses and create efficient movement or stroke. In the automotive industry, these actuators find application in a variety of vehicle systems including in engine management systems, suspension systems, and advanced driver-assistance systems (ADAS). These actuators have high precision with relatively low energy consumption and minimal mechanical wear. In the engine management system, piezoelectric actuators are used to control the amount of fuel injected into the engine, thereby enhancing vehicle fuel efficiency and controlling emissions adhering to environmental regulations. Similarly, piezoelectric actuators are used in suspension systems to adjust dampening of suspensions in real-time according to road conditions and driving behavior. Thus, the growth in the piezoelectric actuators is attributed to the growing demand for fuel-efficient, high performance, safer and environmentally-friendly vehicles in the automotive piezoelectric actuators market.

This report is a detailed and comprehensive analysis for global Automotive Piezoelectric Actuator market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Automotive Piezoelectric Actuator market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Piezoelectric Actuator market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Piezoelectric Actuator market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Automotive Piezoelectric Actuator market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automotive Piezoelectric Actuator

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive Piezoelectric Actuator market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Robert Bosch GmbH, Valeo SA, Continental AG, ZF Friedrichshafen AG, Denso Corporation, Johnson Electric, Magna International, MTS Systems Corporation, Murata Manufacturing Co., Ltd, Nanomotion Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## **Market Segmentation**

Automotive Piezoelectric Actuator market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Linear Actuators

Rotary Actuators

Bending Actuators

### Market segment by Application

OEM

Aftermarket

Others

### Major players covered

Robert Bosch GmbH

Valeo SA

Continental AG

ZF Friedrichshafen AG

Denso Corporation

Johnson Electric

Magna International

MTS Systems Corporation

Murata Manufacturing Co., Ltd

Nanomotion Ltd.

Parker Hannifin Corporation

Thales Group

Delphi Technologies

CeramTec

Suzhou Pant Piezoelectric

Liaoning Yansheng Technology

Harbin RZNX

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Automotive Piezoelectric Actuator product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Piezoelectric Actuator, with price, sales quantity, revenue, and global market share of Automotive Piezoelectric Actuator from 2020 to 2025.

Chapter 3, the Automotive Piezoelectric Actuator competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Piezoelectric Actuator breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Automotive Piezoelectric Actuator market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Piezoelectric Actuator.

Chapter 14 and 15, to describe Automotive Piezoelectric Actuator sales channel, distributors, customers, research findings and conclusion.

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