

Global Piezoelectric Motors and Actuators Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Piezoelectric Motors and Actuators market size was valued at USD 663.7 million in 2023 and is forecast to a readjusted size of USD 1038.4 million by 2030 with a CAGR of 6.6% during review period.

Piezoelectric actuators and motors, once a technological novelty has gradually entered the mainstream market, and is expected to witness significant demand and sales volumes. Piezoelectric actuators convert electrical energy into mechanical stress or displacement through a piezoelectric effect. These actuators are electromechanical motors working on the solid state piezomechanical deformation effect of piezoceramics.

Piezoelectric elements have exemplary responsiveness and conversion competence, leading to the development of several piezoelectric actuators handling the piezoelectric effect of piezoelectric elements. Piezoelectric actuators and motors utilize the piezoelectricity of crystal along with controlling the mechanical displacement at efficient speed.

The Global Info Research report includes an overview of the development of the Piezoelectric Motors and Actuators industry chain, the market status of Automotive Sector (Ceramics, Composites), Consumer Electronics Sector (Ceramics, Composites), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Piezoelectric Motors and Actuators.

Regionally, the report analyzes the Piezoelectric Motors and Actuators markets in key

regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Piezoelectric Motors and Actuators market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Piezoelectric Motors and Actuators market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Piezoelectric Motors and Actuators industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Ceramics, Composites).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Piezoelectric Motors and Actuators market.

Regional Analysis: The report involves examining the Piezoelectric Motors and Actuators market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Piezoelectric Motors and Actuators market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Piezoelectric Motors and Actuators:

Company Analysis: Report covers individual Piezoelectric Motors and Actuators manufacturers, suppliers, and other relevant industry players. This analysis includes

studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Piezoelectric Motors and Actuators. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automotive Sector, Consumer Electronics Sector).

Technology Analysis: Report covers specific technologies relevant to Piezoelectric Motors and Actuators. It assesses the current state, advancements, and potential future developments in Piezoelectric Motors and Actuators areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Piezoelectric Motors and Actuators market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Piezoelectric Motors and Actuators market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Ceramics

Composites

Polymers

Market segment by Application

Automotive Sector

Consumer Electronics Sector

Healthcare Sector

Major players covered

AAC Technologies

Alps Electric

APC International

CTS

Johnson Electric

Johnson Matthey Piezo Products

Murata Manufacturing

Physik Instrumente

TDK

CeramTec

Kyocera(Kyoto)

Noliac

NGK ELECTRONICS DEVICES

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 Piezoelectric Motors and Actuators product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Piezoelectric Motors and Actuators, with price, sales, revenue and global market share of Piezoelectric Motors and Actuators from 2019 to 2024.

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

Chapter 4, the Piezoelectric Motors and Actuators breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Piezoelectric Motors and Actuators market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Piezoelectric

Motors and Actuators.

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

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