

Global Piezoelectric Actuators Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Piezoelectric Actuators market size is expected to reach \$ 1267.1 million by 2029, rising at a market growth of 4.9% CAGR during the forecast period (2023-2029).

Global 5 largest manufacturers of Piezoelectric Actuators are Physik Instrumente (PI) Group, TDK, Murata Manufacturing, KEMET (TOKIN Corporation) and CTS (Noliac), which make up about 60%. Among them, Physik Instrumente (PI) Group is the leader with about 22% market share.

Asia-Pacific is the largest market, with a share about 40%. In terms of product type, Stack Actuators occupy the largest share of the total market, about 92%. And in terms of product Application, the largest application is Industrial & Manufacturing.

Piezoelectric actuators are ceramic elements used to convert electrical energy into mechanical energy such as displacement or force by utilizing the piezoelectric longitudinal effect. A piezoelectric actuator converts an electrical signal into a precisely controlled physical displacement (stroke). If displacement is prevented, a useable force (blocking force) will develop. The precise movement control afforded by piezoelectric actuators is used to finely adjust machining tools, lenses, mirrors, or other equipment. A piezo actuator can be used to control hydraulic valves, act as a small-volume pump or special-purpose motor, and in other applications requiring movement or force. There are many applications where a piezoelectric actuator may be used, such as ultraprecise positioning and in the generation and handling of high forces or pressures in static or in dynamic situations.

This report studies the global Piezoelectric Actuators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Piezoelectric Actuators, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Piezoelectric Actuators that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Piezoelectric Actuators total production and demand, 2018-2029, (K Units)

Global Piezoelectric Actuators total production value, 2018-2029, (USD Million)

Global Piezoelectric Actuators production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Piezoelectric Actuators consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Piezoelectric Actuators domestic production, consumption, key domestic manufacturers and share

Global Piezoelectric Actuators production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Piezoelectric Actuators production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Piezoelectric Actuators production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Piezoelectric Actuators market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Physik Instrumente (PI) Group, TDK Corporation, Murata Manufacturing, KEMET (TOKIN Corporation), CTS (Noliac), TAIYO YUDEN, Johnson Matthey, Piezosystem Jena and APC International (Schneider Electric), etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Piezoelectric Actuators market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Piezoelectric Actuators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Piezoelectric Actuators Market, Segmentation by Type

Stack Actuators

Stripe Actuators

Global Piezoelectric Actuators Market, Segmentation by Application

Industrial & Manufacturing

Automotive

Consumer Electronics

Optical Instrument

Medical

Military

Others

Companies Profiled:

Physik Instrumente (PI) Group

TDK Corporation

Murata Manufacturing

KEMET (TOKIN Corporation)

CTS (Noliac)

TAIYO YUDEN

Johnson Matthey

Piezosystem Jena

APC International (Schneider Electric)

Kinetic Ceramics

DSM

Cedrat Technologies

Bangci Technology

Suzhou Pant Piezoelectric

Harbin Core Tomorrow

Liaoning Yansheng Technology

Harbin RZNX

Key Questions Answered

1. How big is the global Piezoelectric Actuators market?
2. What is the demand of the global Piezoelectric Actuators market?
3. What is the year over year growth of the global Piezoelectric Actuators market?
4. What is the production and production value of the global Piezoelectric Actuators market?
5. Who are the key producers in the global Piezoelectric Actuators market?

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