

# **Global Piezoceramic Discs Market Size study, by Type (Below 10mm, 10mm to 50mm, Above 50mm), by Application (Sensor and Actuators, Energy Harvesting, Medical Device, Industrial Applications, Consumer Electronics) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Piezoceramic Discs Market is valued approximately at USD 3.11 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.73% over the forecast period 2024-2032. Piezoceramic discs are small, light, and noiseless components, known for their high efficiency, requiring minimal power, and reacting swiftly. These discs are polarized after being physically or chemically metallized, with metallization on the faces only. The piezoceramic material layers are combined with a substrate in both unimorphic and bimorphic devices. These discs are widely utilized as actuators, sensors, and transducers across various industries and applications.

The Global Piezoceramic Discs Market is poised for significant growth due to the increasing adoption of piezoelectric devices across multiple applications. The rising demand for piezoelectric sensors and actuators in diverse end-use industries is expected to propel market expansion. Additionally, consumer electronics benefit from piezoelectric components in touchscreens and vibration sensors. The industrial sector also relies on these sensors for automation and control systems. Moreover, technology advances and industries seek more efficient and accurate sensing solutions presents lucrative opportunities for market expansion. However, the high cost of raw materials is going to impede the overall demand for the market during the forecast period 2024-2032.

The key regions considered for the Global Piezoceramic Discs Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, The Asia-Pacific region leads the market growth, driven by rapid urbanization, infrastructure development, industrialization, and increasing investments in precision sensors. Furthermore, North America is anticipated to be a lucrative market due to the growing demand for piezoceramic discs from various applications during the forecast period of 2024-2032.

Major market players included in this report are:

Sparkler Ceramics Pvt. Ltd.

Sensor Technology Ltd

TRS Technologies, Inc

Physik Instrumente (PI) GmbH & Co. KG.

Micromechatronics Inc

Fuji Ceramics Corporation

TDK Corp.

Murata Manufacturing Co., Ltd

CeramTec GmbH

CTS Corporation

The detailed segments and sub-segment of the market are explained below:

By Type:

Below 10mm

10mm to 50mm

Above 50mm

**By Application:**

Sensor and Actuators

Energy Harvesting

Medical Device

Industrial Applications

Consumer Electronics

**By Region:**

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

## Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

## Latin America

Brazil

Mexico

## Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

## Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market

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