

Piezoelectric Devices Market is Anticipated to Hit USD 76 Billion at a 7% of CAGR by 2030

Increase adoption of various piezoelectric device-based products to boost Piezoelectric Devices Market growth.

NEW YORK, NY, US, April 18, 2023 /EINPresswire.com/ -- Throughout the forecast period of 2023–2030, the [Piezoelectric Devices Market](#) is anticipated to develop at a CAGR of 7%. It is predicted that this technology will become more and more widespread everywhere. By 2030, the market for piezoelectric devices will grow

significantly. The primary forces behind the market's expansion include a number of things, such as a rise in the demand for piezoelectric devices for quicker energy harvesting, contemporary aerospace and defence applications, and significantly rising R&D expenditures by leading businesses and cutting-edge research universities for novel piezo solutions.

Due to its use, the piezoelectric devices market is projected to have high demand. Throughout the forecasted period, the market is predicted to develop at the greatest CAGR. The market for piezoelectric devices is expected to grow more quickly in the future due to a number of innovations in downsizing, appropriate nano scaling (such as nanogenerators), precise motion, and vibration energy harvesting that are shown in a variety of applications. Moreover, piezoelectric generators have the ability to capture various mechanical energies from the surrounding environment and transform them into electrical energy. Because of this, piezoelectric nanogenerators are used more frequently in portable consumer electronics like smartwatches of the future, expensive cellphones, sensitive laptops, and notebooks.

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The current aerospace and defence application took up the largest portion of the market for unique piezoelectric devices in 2019. This may encourage the use of more products based on piezoelectric devices in current aerospace and defence applications, including sensors, actuators, and motors. Modern aeroplanes use piezoelectric actuators largely to produce unwanted



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vibrations in various components of the aircraft. Little helicopter noise levels have drawn a lot of attention recently. Yet, cutting-edge technology is also used in modern laboratory tables, high-speed motors, machine tools, and less expensive wind turbines.

Piezoelectric Devices Market Major Players:

- CeramTec (Europe),
- APC International, Ltd. (U.S.),
- Mad City Labs, Inc. (U.S.),
- Piezomechanik Dr. Lutz Pickelmann GmbH (Europe),
- PI (Europe),
- Piezosystem Jena (Europe),
- Noliac A/S (Germany), and
- Piezo Systems, Inc. (U.S.)

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Regional Evaluation

The piezoelectric devices market is divided into four groups based on revenue share, including North America, Asia Pacific, Europe, and The Rest of the World, according to global distribution.

The piezoelectric devices market is dominated by Asia-Pacific. Due to its sophisticated and contemporary technical infrastructure and the presence of several significant numbers of manufacturers, the U.S. now leads the area in terms of revenue creation. Throughout the course of the forecast period, the piezoelectric devices market is expected to expand. After the North American area, the piezoelectric devices market is seeing huge expansion in the Asia Pacific region. In addition to the United States, government agencies in China, Taiwan, Japan, and the Republic of Korea actively promote their own markets.

Overview of the market segments

Piezoelectric Generators, Single-layer Piezoelectric Generators, Multilayered Piezoelectric Generators, Piezoelectric Motors, Piezoelectric Transducers, and Others are the categories of the piezoelectric market, according to product.

Piezoelectric Crystals, Piezoelectric Ceramics, Soft Ceramics, Hard Ceramics, Piezoelectric Polymers, and Piezoelectric Composites are the market segments based on materials.

According to Application, the market is divided into the following categories: aerospace & defence, manufacturing & industrial production, automotive, healthcare, imaging devices, diagnostic equipment, surgical instruments, communications and information technology,

consumer technology, wearable technology, electronic devices, and others.

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The main parties involved in the piezoelectric devices business include various government organisations, partners and industrial groups, investors, and trade specialists. The idea is picking up steam. It is increasingly crucial to the creation of new products. This explains why it is becoming more and more popular. Companies are investing a lot of money on product developments right now; they are paying attention to it.

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