

Piezoelectric Hemispheres Market By Material (Ceramic, Polymer, Others), By Application (Energy Harvesting, Acoustic Sensors, Medical Devices, Industrial Automation, Others), By End-use industry (Healthcare, Automotive, Aerospace, Consumer electronics, Industrial manufacturing): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2023-03-01 | 328 pages | Allied Market Research

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Report description:

The global piezoelectric hemispheres market was valued at \$1 billion in 2021 and is projected to reach \$1.9 billion by 2031, growing at a CAGR of 5.9% from 2022 to 2031. Piezoelectric hemispheres are small spherical materials made of crystals or ceramics that convert mechanical energy into electrical energy or vice versa when subjected to pressure or vibration. The growth of global piezoelectric hemispheres is majorly driven by the surge in demand for piezoelectric hemispheres in medical and industrial applications coupled with the rise in the adoption of piezoelectric hemispheres in automotive. Moreover, the rapid advancements in technology across various sectors are expected to drive market growth. However, the high risk associated with data privacy and security-related concerns is acting as a prime restraint of the global market. On the contrary, the rise in demand for non-invasive medical imaging and diagnostics is anticipated to provide lucrative opportunities for the Piezoelectric hemispheres industry during the forecast period. The piezoelectric hemispheres market is segmented on the basis of material, application, industry vertical, and region. By material, the piezoelectric hemispheres market is segmented into ceramic, polymer, and crystalline. By application, the piezoelectric hemispheres market size is segmented into energy harvesting, acoustic sensors, medical devices, industrial automation, and others. By end-use industry, the market is classified into healthcare, automotive, aerospace, consumer electronics, and industrial. Region-wise, the piezoelectric hemispheres market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (UK, Germany, France, Italy, Spain, and the Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, and Rest of

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Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa)).

The key players operating in the market include Physik Instrumente (PI) GmbH & Co. KG, APC International, Ltd., Morgan Advanced Materials PLC, Piezo Technologies, CeramTec GmbH, Piezosystem Jena GmbH, KYOCERA Corporation, Smart Material Corp., Meggitt SA, and Sensortech Canada

Key Benefits For Stakeholders

-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the piezoelectric hemispheres market analysis from 2021 to 2031 to identify the prevailing piezoelectric hemispheres market opportunities.

-The market research is offered along with information related to key drivers, restraints, and opportunities.

-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.

-In-depth analysis of the piezoelectric hemispheres market segmentation assists to determine the prevailing market opportunities.

-Major countries in each region are mapped according to their revenue contribution to the global market.

-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.

-The report includes the analysis of the regional as well as global piezoelectric hemispheres market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Material

- Ceramic
- Polymer
- Others

By Application

- Energy Harvesting
- Acoustic Sensors
- Medical Devices
- Industrial Automation
- Others

By End-use industry

- Healthcare
- Automotive
- Aerospace
- Consumer electronics
- Industrial manufacturing

By Region

- North America
 - U.S.
 - Canada
 - Mexico
- Europe
 - Germany
 - France
 - UK
 - Italy
 - Spain
 - Rest of Europe
- Asia-Pacific

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- China
- Japan
- India
- South Korea
- Rest of Asia-Pacific
- LAMEA
- Latin America
- Middle East
- Africa
- Key Market Players
- APC International, Ltd.
- Morgan Advanced Materials PLC
- CeramTec GmbH
- Piezosystem Jena GmbH
- SMART MATERIAL CORP.
- Meggitt SA
- Sensor Technology Ltd.
- Piezo Technologies
- KYOCERA CORPORATION
- Physik Instrumente (PI) GmbH & Co. KG.

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