

# Key Trend Shaping the Piezoelectric Devices Market in 2025: Innovations in High-Temperature Charge Accelerometers

*Piezoelectric Devices Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED KINGDOM, January 30, 2025

[/EINPresswire.com/](https://EINPresswire.com/) --

Updated 2025 Market Reports

Released: Trends, Forecasts to 2034 – Early Purchase Your Competitive Edge Today!



The Business  
Research Company

Piezoelectric Devices Global Market Report 2025 :  
Market Size, Trends, And Global Forecast 2025-2034

The [piezoelectric devices market](#) has seen steady growth in recent years and is expected to increase from \$26.55 billion in 2024 to \$27.28 billion in 2025, with a compound annual growth rate (CAGR) of 2.8%. The growth in the past period has been driven by factors such as advancements in medical imaging and ultrasound, the expansion of the electronics and automotive industries, developments in piezoelectric materials, the growing need for precise motion control, and the growth of the aerospace and defense sectors.

“

The piezoelectric devices market size is expected to see steady growth in the next few years. It will grow to \$31.39 billion in 2029 at a compound annual growth rate (CAGR) of 3.6%.”

*The Business Research  
Company*

How Big Is the [Global Piezoelectric Devices Market](#)

Expected to Grow, and What Is Its Annual Growth Rate?

The piezoelectric devices market is expected to experience steady growth in the coming years, reaching \$31.39 billion by 2029, with a compound annual growth rate (CAGR) of

3.6%. The growth during the forecast period can be attributed to the adoption of piezoelectric energy harvesting, the expansion of haptic feedback and touchscreens, growth in industrial automation and robotics, the development of customized piezoelectric solutions for various applications, and the increasing demand for energy-efficient sensors.

Get Your Free Sample Market Report:

[https://www.thebusinessresearchcompany.com/sample\\_request?id=6244&type=smp](https://www.thebusinessresearchcompany.com/sample_request?id=6244&type=smp)

### What Is Driving the Growth of the Piezoelectric Devices Market?

The growing demand for wearable devices is expected to drive the growth of the piezoelectric devices market in the future. Wearable devices are electronic technologies worn on the body, usually as accessories or clothing, designed to offer a range of functions such as monitoring health and fitness, providing information, and delivering entertainment. Piezoelectric devices, like piezoelectric sensors, are used in wearables to detect and monitor various physical parameters and track biometric data.

Order Your Report Now For A Swift Delivery:

<https://www.thebusinessresearchcompany.com/report/piezoelectric-devices-global-market-report>

### Which Leading Companies Are Driving The Growth Of The Piezoelectric Devices Market Share?

Major companies operating in the piezoelectric devices market include Aerotech Inc., APC International Ltd., CeramTec GmbH, CTS Corporation, Kistler Instruments India Pvt. Ltd.

### What Are The Key Trends Driving The Growth Of The Piezoelectric Devices Market Size?

Leading companies in the piezoelectric devices market are concentrating on developing advanced technological solutions, such as high-temperature charge accelerometers, to improve performance in harsh environments. A high-temperature charge accelerometer is a sensor designed to measure acceleration or vibration in high-heat conditions, typically exceeding 250 °C. It converts mechanical motion into an electrical signal, enabling monitoring and analysis in challenging environments like engines or turbines.

### How Is the Global [Piezoelectric Devices Market Segmented](#)?

The piezoelectric devices market covered in this report is segmented –

- 1) By Material: Ceramics, Crystals, Polymers, Composites
- 2) By Product: Piezoelectric Sensors, Piezoelectric Actuators, Piezoelectric Transducers, Piezoelectric Motors, Piezoelectric Generators
- 3) By Application: Industrial and Manufacturing, Defense and Aerospace, Automotive, Healthcare, Information and Communication, Consumer Electronics
- 4) By Element: Piezoelectric Discs, Piezoelectric Rings, Piezoelectric Plates

Subsegments:

- 1) By Ceramics: Lead Zirconate Titanate (PZT), Barium Titanate (BaTiO<sub>3</sub>), Sodium Potassium Niobate (NaKNbO<sub>3</sub>)
- 2) By Crystals: Quartz Crystals, Gallium Orthophosphate (GaPO<sub>4</sub>), Lithium Niobate (LiNbO<sub>3</sub>)
- 3) By Polymers: Polyvinylidene Fluoride (PVDF), Polyamide (PA), Polyurethane (PU)
- 4) By Composites: Ceramic-Polymer Composites, Metal-Polymer Composites, Multi-Phase Composites

The Leading Region in the Piezoelectric Devices Market is:

Asia-Pacific was the largest region in the piezoelectric devices market in 2024. The regions

covered in the piezoelectric devices market report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East and Africa.

What Is the Piezoelectric Devices Market?

Piezoelectric devices are designed to use the piezoelectric effect to measure parameters such as pressure, acceleration, temperature, shear stress, or force by converting these measurements into an electrical charge. These devices are made using piezoceramic materials and are utilized in process management, quality control, and research and development across various industrial sectors.

Browse Through More Similar Reports By The Business Research Company:

Electric Generators Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/electric-generators-global-market-report>

Hydrogen Generators Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/hydrogen-generators-global-market-report>

Power Rental Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/power-rental-global-market-report>

About The Business Research Company

With more than 15000+ reports across 27 industries spanning over 60+ geographies, The Business Research Company has carved a niche in offering comprehensive, data-rich research, and unparalleled insights. With 1,500,000 datasets, detailed secondary research, and exclusive insights from industry experts, you can get the information you need to stay ahead in the game.

Contact us at:

The Business Research Company: <https://www.thebusinessresearchcompany.com/>

Americas +1 3156230293

Asia +44 2071930708

Europe +44 2071930708

Email us at: [info@tbrc.info](mailto:info@tbrc.info)

Follow us on:

LinkedIn: <https://in.linkedin.com/company/the-business-research-company>

YouTube: [https://www.youtube.com/channel/UC24\\_f10rV8cR5DxICpgmyFQ](https://www.youtube.com/channel/UC24_f10rV8cR5DxICpgmyFQ)

Global Market Model: <https://www.thebusinessresearchcompany.com/global-market-model>

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/781652722>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.