

Piezoelectric Discs Market Report 2025: Size, Trends, and Growth Insights for Global Expansion

*The Business Research Company's
Piezoelectric Discs Market Report 2025:
Size, Trends, and Growth Insights for
Global Expansion*

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

The significant trend in the piezoelectric discs market is the strong growth observed in recent years. The market size, which stood at \$1.88 billion in 2024, is forecast to increase to \$2.00 billion

in 2025 at a compound annual growth rate CAGR of 6.6%.

This rise in the historic period is attributable to factors such as the rising prevalence of smart manufacturing systems, growing demand for precision motion control, miniaturization, the increasing need for high-precision movement management, and widespread adoption in the consumer electronics and healthcare sectors.

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It will grow to \$2.56 billion in
2029 at a compound annual
growth rate (CAGR) of 6.3%.

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Where Is The Piezoelectric Discs Market Headed In The

Future?

[Piezoelectric discs market size](#) is projected to see substantial growth in the coming years, reaching \$2.56 billion in 2029 at a CAGR of 6.3%. The forecast multiplication can be ascribed to the increasing use of wearable devices, rising demand for compact electronic components, sensors, actuators in various industries, smart electronics, and advanced sensing technologies. Major future trends include innovations in piezoelectric ceramics and composites, new materials and technologies development, advancements in microelectromechanical systems, and lignin extraction technologies.

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What is Driving the Piezoelectric Discs Market's Growth?

A crucial driver of the piezoelectric discs market growth is the increasing demand for smart electronics. The devices, equipped with advanced technologies like IoT and sensors, enable connectivity and enhance user experiences through automation and real-time decision-making.

The popularity of smart electronics is rising as they make everyday tasks more convenient, improve efficiency via automation, and offer enhanced connectivity. Piezoelectric discs, utilized in smart electronics, convert mechanical energy into electrical energy, making room for self-powered sensors, haptic feedback, and energy harvesting that ensures sustainable and efficient devices.

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Who Are The Key Players In The Piezoelectric Discs Market?

Let's delve into the key industry players operating in the piezoelectric discs market: TDK Corporation, MURATA Manufacturing Co. Ltd., Meggitt PLC, Zhejiang Jiakang Electronics Co. Ltd., CeramTec GmbH, ThorLabs Inc., CTS Corporation, Kistler Instrumente AG, Physik Instrumente GmbH & Co. KG, PI Ceramic GmbH, PIEZO Technologies Inc., Noliac A/S, Fuji Ceramics Corporation, Elpa Company Ltd., FBelec Electronic Co. Ltd, Piezo Systems Inc., Piezosystem Jena GmbH, Sialon Ceramics Ltd., Sparkler Ceramics Pvt. Ltd., Sonic Concepts Inc., and Sinocera Piezotronics Inc.

These companies have been focusing on developing innovative solutions, including piezoelectric accelerometers, to enhance vibration monitoring, boost predictive maintenance and support industrial automation.

What are the Segments in the Piezoelectric Discs Market?

The piezoelectric discs market's segmentation broke down as such:

1 By Material Type: Lead Zirconate Titanate PZT, Polyvinylidene Fluoride PVDF, Sodium Potassium Niobate NKP, Barium Titanate BaTiO₃, Quartz

2 By Size: Miniature Piezoelectric Discs, Standard-Sized Piezoelectric Discs, Large Piezoelectric Discs

3 By Functionality: Single-Function Discs, Multi-Function Discs

4 By Application: Sensors, Actuators, Energy Harvesting, Medical Devices

5 By End-Use Industry: Automotive, Aerospace, Healthcare, Consumer Electronics, Industrial Automation

Which Regions are Leading the Piezoelectric Discs Market Expansion?

The major regions covered in the piezoelectric discs market report include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa. In 2024, North America emerged as the largest region in the piezoelectric discs market. The fastest-growing region in the forecast period is expected to be Asia-Pacific.

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