

Thin Film Piezoelectric Device Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

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The future of the thin film piezoelectric device market looks promising with opportunities in the aerospace and defense, industrial and manufacturing, automotive, healthcare, information and communication, and consumer electronics industries. The global thin film piezoelectric device market is expected to grow with a CAGR of 13% to 15% from 2021 to 2026. The major drivers for this market are increasing demand for piezoelectric devices in energy harvesting systems and the aerospace and defense industry.

A more than 150 page report is developed to help in your business decisions. Sample figures with some insights are shown below. To learn the scope of, benefits, companies researched and other details of thin film piezoelectric device market report download the report brochure.

The study includes trends and forecasts for the global thin film piezoelectric device market by product type, material, end use industry, and region as follows:

By Product Type [\$M shipment analysis for 2015 – 2026]:

Piezoelectric Sensors

Piezoelectric Actuators

Stack Actuators

Strip Actuators

Piezoelectric Motors

Piezoelectric Transducers

Piezoelectric Generators

Single-layer Piezoelectric Generators

Multilayered Piezoelectric Generators

Others

By Material [\$M shipment analysis for 2015 – 2026]:

Piezoelectric Crystals

Piezoelectric Ceramics

Soft Ceramics

Hard Ceramics

Piezoelectric Polymers

Piezoelectric Composites

By End Use Industry [\$M shipment analysis for 2015 – 2026]:

Aerospace & Defense

Industrial & Manufacturing

Automotive

Healthcare

Imaging Devices

Diagnostic Equipment

Surgical Tools

Information & Communication

Consumer Electronics

Wearable Devices

Electronic Devices

Others

By Region [\$M shipment analysis for 2015 – 2026]:

North America

United States

Canada

Mexico

Europe

Germany

United Kingdom

France

Italy

Asia Pacific

China

Japan

India

South Korea

The Rest of the World

Actuators will remain the largest product type segment due to less heat, less power consumption, fast response, high actuating precision, compact size, high reliability, and low cost.

Aerospace and defense will remain the largest end use industry during the forecast period due to increasing installation of thin film piezoelectric device-based products, such as sensors, actuators, and motors, in aerospace & defense.

Asia Pacific will remain the largest region over the forecast period due to increasing government initiatives, rising population, bulk manufacturing facilities of piezoelectric devices, presence of numerous manufacturers and suppliers, low cost of piezoelectric devices, and technological advancements in emerging markets.

Some of the thin film piezoelectric device companies profiled in this report include L3HARRIS TECHNOLOGIES, INC., CeramTec GmbH, CTS CORPORATION, Physik Instrumente (PI) GmbH & Co. KG., and APC International, Ltd.

Features of Thin Film Piezoelectric Device Market

Market Size Estimates: Thin film piezoelectric device market size estimation in terms of value (\$M)

Trend and Forecast Analysis: Market trends (2015-2020) and forecast (2021-2026) by various segments and regions.

Segmentation Analysis: Market size by product type, material, and end use industry

Regional Analysis: Thin film piezoelectric device market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis on growth opportunities in different end use industries, product type, material, and regions for thin film piezoelectric device market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the thin film piezoelectric device market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high-growth opportunities for the global thin film piezoelectric device market by product type (piezoelectric sensors, actuators, motors, transducers, generators, and others), material (piezoelectric crystals, ceramics, polymers, and composites), end use industries (aerospace & defense, industrial & manufacturing, automotive, healthcare, information & communication, consumer electronics, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the thin film piezoelectric device market?

Q.5 What are the business risks and threats to the thin film piezoelectric device market?

Q.6 What are the emerging trends in the thin film piezoelectric device market and the reasons behind them?

Q.7 What are some changing demands of customers in the thin film piezoelectric device market?

Q.8 What are the new developments in the thin film piezoelectric device market? Which companies are leading these developments?

Q.9 Who are the major players in the thin film piezoelectric device market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in the thin film piezoelectric device market, and how big of a threat do they pose for loss of market share via material or product substitution?

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1. STACK ACTUATORS

2. STRIP ACTUATORS

Piezoelectric Motors

Piezoelectric Transducers

Piezoelectric Generators

1. SINGLE-LAYER PIEZOELECTRIC GENERATORS

2. MULTILAYERED PIEZOELECTRIC GENERATORS

Others

Global Thin Film Piezoelectric Devices Market by Material

Piezoelectric Crystals

Piezoelectric Ceramics

1. SOFT CERAMICS

2. HARD CERAMICS

Piezoelectric Polymers

Piezoelectric Composites

Global Thin Film Piezoelectric Devices Market by End Use Industry

Aerospace & Defense
Industrial & Manufacturing
Automotive
Healthcare
Imaging Devices
Diagnostic Equipment
Surgical Tools
Information & Communication
Consumer Electronics
Wearable Devices
Electronic Devices
Others

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CeramTec GmbH
CTS CORPORATION
Physik Instrumente (PI) GmbH & Co. KG.
APC International, Ltd.

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