

Global Piezoceramic Components for Industrial Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Piezoceramic Components for Industrial market size was valued at US\$ 286 million in 2024 and is forecast to a readjusted size of USD 387 million by 2031 with a CAGR of 4.5% during review period.

Piezoceramics are capable of converting mechanical quantities such as pressure and acceleration into electrical quantities or, conversely, of transforming electrical signals into mechanical movement or oscillations. Piezoceramic components are used in a broad spectrum of electromechanical transducers covering a wide frequency range. In sensors, they enable the conversion of forces, pressures and accelerations to electrical signals. In sound generators and ultrasonic transducers, they transform voltages into oscillations or deformations. Manufacturing and industrial processing is the single largest market for piezoelectric products.

Industrial piezoelectric ceramic components are a kind of components made of piezoelectric ceramics used in the industrial field, which use the piezoelectric effect to achieve mechanical deformation and electrical signal conversion. These components play an important role in applications such as industrial automation, control, measurement and sensing. Piezoceramic elements are based on the piezoelectric effect, i.e. when mechanical force or pressure is applied, they deform, generating an electric charge. Conversely, they also undergo mechanical deformation when an electric field is applied. This interconversion property makes them widely used in sensing, vibration control and other fields. Industrial piezoelectric ceramic elements can be used as sensors to measure and detect physical quantities such as pressure, force, vibration, and strain. They are commonly used in industrial automation and control systems to

monitor equipment status and process parameters. Piezo elements can be used in vibration control and damping systems to help reduce vibration and shock in mechanical systems, improving stability and performance. Piezoelectric ceramic elements can also be used in acoustic and ultrasonic generators and transducers for applications such as acoustic communication, measurement and imaging.

This report is a detailed and comprehensive analysis for global Piezoceramic Components for Industrial market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Piezoceramic Components for Industrial market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Piezoceramic Components for Industrial market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Piezoceramic Components for Industrial market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Piezoceramic Components for Industrial market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Piezoceramic Components for Industrial
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Piezoceramic Components for Industrial market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include KYOCERA Corporation, CeramTec GmbH, CTS Corporation, Piezo Technologies, PI Ceramic GmbH, Fuji Ceramics Corporation, Johnson Matthey, TRS Technologies, Meggitt PLC, Piezo Kinetics, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Piezoceramic Components for Industrial market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PZT-based

PMN-based

Others

Market segment by Application

Medical

Communications

Optics

Automotive

Commercial

Major players covered

KYOCERA Corporation

CeramTec GmbH

CTS Corporation

Piezo Technologies

PI Ceramic GmbH

Fuji Ceramics Corporation

Johnson Matthey

TRS Technologies

Meggitt PLC

Piezo Kinetics

APC International

Sparkler Ceramics

Weifang Jude Electronic

Boston Piezo-Optics

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East)

& Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Piezoceramic Components for Industrial product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Piezoceramic Components for Industrial, with price, sales quantity, revenue, and global market share of Piezoceramic Components for Industrial from 2020 to 2025.

Chapter 3, the Piezoceramic Components for Industrial competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Piezoceramic Components for Industrial breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Piezoceramic Components for Industrial market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Piezoceramic Components for Industrial.

Chapter 14 and 15, to describe Piezoceramic Components for Industrial sales channel, distributors, customers, research findings and conclusion.

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