

Covid-19 Impact on Global Piezoelectric Crystal Market Insights, Forecast to 2026

<https://marketpublishers.com/r/C367EE95D088EN.html>

Date: June 2020

Pages: 151

Price: US\$ 4,900.00 (Single User License)

ID: C367EE95D088EN

Abstracts

Piezoelectric crystals are one of many small scale energy sources. Whenever piezoelectric crystals are mechanically deformed or subject to vibration they generate a small voltage, commonly know as piezoelectricity. This form of renewable energy is not ideally suited to an industrial situation.

The ability of certain crystals to generate Piezoelectricity in response to applied mechanical stress is reversible in that piezoelectric crystals, when subjected to an externally applied voltage, can change shape by a small amount. This deformation, though only nanometers, has useful applications such as the production and detection of sound.

Probably the best-known use of piezoelectric crystals is in the electric cigarette lighter. Here, pressing the button causes a spring-loaded hammer to hit a piezoelectric crystal, the high voltage produced by this ignites the gas as the current jumps over a small spark gap. This technique also applies to some gas lighters used on gas grills or stoves. Another common usage of a piezoelectric crystal energy source is that of creating a small motor; such as that used in a reflex camera to operate the auto focus system. These motors operate by vibration. The two surfaces are forced to vibrate at a phase shift of 90 degrees by a sine wave that has been generated at the motors resonant frequency. This forces a frictional force where the two surfaces meet and as one of the surfaces is fixed the other is forced to move.

Since the COVID-19 virus outbreak in December 2019, the disease has spread to almost 100 countries around the globe with the World Health Organization declaring it a public health emergency. The global impacts of the coronavirus disease 2019 (COVID-19) are already starting to be felt, and will significantly affect the Piezoelectric Crystal market in 2020.

COVID-19 can affect the global economy in three main ways: by directly affecting production and demand, by creating supply chain and market disruption, and by its

financial impact on firms and financial markets.

The outbreak of COVID-19 has brought effects on many aspects, like flight cancellations; travel bans and quarantines; restaurants closed; all indoor events restricted; over forty countries state of emergency declared; massive slowing of the supply chain; stock market volatility; falling business confidence, growing panic among the population, and uncertainty about future.

This report also analyses the impact of Coronavirus COVID-19 on the Piezoelectric Crystal industry.

Based on our recent survey, we have several different scenarios about the Piezoelectric Crystal YoY growth rate for 2020. The probable scenario is expected to grow by a xx% in 2020 and the revenue will be xx in 2020 from US\$ xx million in 2019. The market size of Piezoelectric Crystal will reach xx in 2026, with a CAGR of xx% from 2020 to 2026. With industry-standard accuracy in analysis and high data integrity, the report makes a brilliant attempt to unveil key opportunities available in the global Piezoelectric Crystal market to help players in achieving a strong market position. Buyers of the report can access verified and reliable market forecasts, including those for the overall size of the global Piezoelectric Crystal market in terms of both revenue and volume.

Players, stakeholders, and other participants in the global Piezoelectric Crystal market will be able to gain the upper hand as they use the report as a powerful resource. For this version of the report, the segmental analysis focuses on sales (volume), revenue and forecast by each application segment in terms of sales and revenue and forecast by each type segment in terms of revenue for the period 2015-2026.

Production and Pricing Analyses

Readers are provided with deeper production analysis, import and export analysis, and pricing analysis for the global Piezoelectric Crystal market. As part of production analysis, the report offers accurate statistics and figures for production capacity, production volume by region, and global production and production by each type segment for the period 2015-2026.

In the pricing analysis section of the report, readers are provided with validated statistics and figures for price by manufacturer and price by region for the period 2015-2020 and price by each type segment for the period 2015-2026. The import and export analysis for the global Piezoelectric Crystal market has been provided based on region.

Regional and Country-level Analysis

The report offers an exhaustive geographical analysis of the global Piezoelectric Crystal market, covering important regions, viz, North America, Europe, China, Japan and

South Korea. It also covers key countries (regions), viz, U.S., Canada, Germany, France, U.K., Italy, Russia, China, Japan, South Korea, India, Australia, Taiwan, Indonesia, Thailand, Malaysia, Philippines, Vietnam, Mexico, Brazil, Turkey, Saudi Arabia, U.A.E, etc.

The report includes country-wise and region-wise market size for the period 2015-2026. It also includes market size and forecast by each application segment in terms of volume for the period 2015-2026.

Competition Analysis

In the competitive analysis section of the report, leading as well as prominent players of the global Piezoelectric Crystal market are broadly studied on the basis of key factors. The report offers comprehensive analysis and accurate statistics on sales by the player for the period 2015-2020. It also offers detailed analysis supported by reliable statistics on price and revenue (global level) by player for the period 2015-2020.

On the whole, the report proves to be an effective tool that players can use to gain a competitive edge over their competitors and ensure lasting success in the global Piezoelectric Crystal market. All of the findings, data, and information provided in the report are validated and revalidated with the help of trustworthy sources. The analysts who have authored the report took a unique and industry-best research and analysis approach for an in-depth study of the global Piezoelectric Crystal market.

The following manufacturers are covered in this report:

Harri

MURATA

Johnson Matthey

Arkema

Meggitt Sensing

KYOCERA

Piezo Kinetics

Morgan Advanced Materials

CeramTec

Solvay

Physik Instrumente (PI)

Sparkler Ceramics

Konghong Corporation

TRS

APC International

Piezoelectric Crystal Breakdown Data by Type

Crystal (Alpha-Quartz)

Sphalerite

Boron Borate

Other

Piezoelectric Crystal Breakdown Data by Application

TCXO(Temperature Compensate X'tal (crystal) Oscillator)

Voltage Controlled X'tal(crystal) Oscillator

Oven Controlled Crystal Oscillator

Other

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