

COVID-19 Outbreak-Global Piezoelectric Smart Materials Industry Market Report-Development Trends, Threats, Opportunities and Competitive Landscape in 2020

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Abstracts

Smart materials, called also intelligent or responsive materials,[1] are designed materials that have one or more properties that can be significantly changed in a controlled fashion by external stimuli, such as stress, temperature, moisture, pH, electric or magnetic fields, light, or chemical compounds. Smart materials are the basis of many applications, including sensors and actuators, or artificial muscles, particularly as electroactive polymers (EAPs).Piezoelectric materials are materials that produce a voltage when stress is applied. Since this effect also applies in a reverse manner, a voltage across the sample will produce stress within sample. Suitably designed structures made from these materials can, therefore, be made that bend, expand or contract when a voltage is applied.

The Piezoelectric Smart Materials market revenue was xx.xx Million USD in 2019, and will reach xx.xx Million USD in 2025, with a CAGR of x.x% during 2020-2025.

Under COVID-19 outbreak globally, this report provides 360 degrees of analysis from supply chain, import and export control to regional government policy and future influence on the industry. Detailed analysis about market status (2015-2020), enterprise competition pattern, advantages and disadvantages of enterprise products, industry development trends (2020-2025), regional industrial layout characteristics and macroeconomic policies, industrial policy has also been included. From raw materials to end users of this industry are analyzed scientifically, the trends of product circulation and sales channel will be presented as well. Considering COVID-19, this report provides comprehensive and in-depth analysis on how the epidemic push this industry transformation and reform.

In COVID-19 outbreak, Chapter 2.2 of this report provides an analysis of the impact of COVID-19 on the global economy and the Piezoelectric Smart Materials industry.

Chapter 3.7 covers the analysis of the impact of COVID-19 from the perspective of the industry chain.

In addition, chapters 7-11 consider the impact of COVID-19 on the regional economy.

The Piezoelectric Smart Materials market can be split based on product types, major applications, and important countries as follows:

Key players in the global Piezoelectric Smart Materials market covered in Chapter 12:

Ceramtec GmbH

Cedrat Technologies SA

Noliac

Channel Technologies Group, LLC

AAC Technologies

Solvay

Harris Corporation

Mide Technology

KYOCERA

CTS Corporation

APC International

Arkema

Kureha Corporation

PI Ceramic

In Chapter 4 and 14.1, on the basis of types, the Piezoelectric Smart Materials market from 2015 to 2025 is primarily split into:

Piezoceramics

Piezocomposites

Piezocrystals

Piezopolymers

In Chapter 5 and 14.2, on the basis of applications, the Piezoelectric Smart Materials market from 2015 to 2025 covers:

Actuators

Generators

Motors

Sensors

Transducers

Others

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historic and forecast (2015-2025) of the following regions are covered in Chapter 6, 7, 8, 9, 10, 11, 14:

North America (Covered in Chapter 7 and 14)

United States

Canada

Mexico

Europe (Covered in Chapter 8 and 14)

Germany

UK

France

Italy

Spain

Russia

Others

Asia-Pacific (Covered in Chapter 9 and 14)

China

Japan

South Korea

Australia

India

Southeast Asia

Others

Middle East and Africa (Covered in Chapter 10 and 14)

Saudi Arabia

UAE

Egypt

Nigeria

South Africa

Others

South America (Covered in Chapter 11 and 14)

Brazil

Argentina

Columbia

Chile

Others

Years considered for this report:

Historical Years: 2015-2019

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2020-2025

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Figure Porter's Five Forces Analysis

Table New Entrants SWOT Analysis

Table New Project Analysis of Investment Recovery

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