

Global Piezoelectric Knock Sensor Market Growth 2026-2032

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Abstracts

The global Piezoelectric Knock Sensor market size is predicted to grow from US\$ 261 million in 2025 to US\$ 350 million in 2032; it is expected to grow at a CAGR of 4.4% from 2026 to 2032.

A piezoelectric knock sensor is a device that uses the piezoelectric effect to detect knock signals (abnormal combustion noise) in an engine. It senses vibrations or pressure changes during combustion and converts them into electrical signals, which are transmitted to the Engine Control Unit (ECU) to optimize combustion and protect the engine. It is widely used in automotive engine management systems.

United States market for Piezoelectric Knock Sensor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Piezoelectric Knock Sensor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Piezoelectric Knock Sensor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Piezoelectric Knock Sensor players cover Continental, Delphi, Denso Corporation, Bosch, Inzi Controls, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the 'Piezoelectric Knock Sensor Industry Forecast' looks at past sales and reviews total world Piezoelectric Knock Sensor sales in 2025, providing a comprehensive analysis by region and market sector

of projected Piezoelectric Knock Sensor sales for 2026 through 2032. With Piezoelectric Knock Sensor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Piezoelectric Knock Sensor industry.

This Insight Report provides a comprehensive analysis of the global Piezoelectric Knock Sensor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Piezoelectric Knock Sensor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Piezoelectric Knock Sensor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Piezoelectric Knock Sensor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Piezoelectric Knock Sensor.

This report presents a comprehensive overview, market shares, and growth opportunities of Piezoelectric Knock Sensor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Surface Mounted Knock Sensor

Bolt-On Knock Sensor

Segmentation by Application:

OEM

Aftermarket

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Continental

Delphi

Denso Corporation

Bosch

Inzi Controls

Hyundai Kefico

NGK Spark Plug

FACET

Walker Products

Tridon

Key Questions Addressed in this Report

What is the 10-year outlook for the global Piezoelectric Knock Sensor market?

What factors are driving Piezoelectric Knock Sensor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?
How do Piezoelectric Knock Sensor market opportunities vary by end market size?
How does Piezoelectric Knock Sensor break out by Type, by Application?

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