

Global Internal Combustion Engine Knock Sensors Market Growth 2026-2032

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Abstracts

The global Internal Combustion Engine Knock Sensors market size is predicted to grow from US\$ 216 million in 2025 to US\$ 298 million in 2032; it is expected to grow at a CAGR of 4.8% from 2026 to 2032.

Internal Combustion Engine Knock Sensors are devices used in vehicles to detect engine knocking and provide feedback to the vehicle's engine control unit (ECU) to adjust engine parameters, such as ignition timing or air-fuel mixture, to prevent engine damage. Knock sensors play a crucial role in optimizing engine performance, fuel efficiency, and emissions, while also protecting the engine from the potentially harmful effects of knocking.

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

Global key Internal Combustion Engine Knock Sensors players cover Bosch, HELLA, Hitachi Astemo, Continental Corporation, Walker Products, 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 "Internal Combustion Engine Knock Sensors Industry Forecast" looks at past sales and reviews total world Internal Combustion Engine Knock Sensors sales in 2025, providing a comprehensive analysis by region and market sector of projected Internal Combustion Engine Knock Sensors sales for 2026 through 2032. With Internal Combustion Engine Knock Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Internal Combustion Engine Knock Sensors industry.

This Insight Report provides a comprehensive analysis of the global Internal Combustion Engine Knock Sensors 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 Internal Combustion Engine Knock Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Internal Combustion Engine Knock Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Internal Combustion Engine Knock Sensors 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 Internal Combustion Engine Knock Sensors.

This report presents a comprehensive overview, market shares, and growth opportunities of Internal Combustion Engine Knock Sensors market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Piezoelectric Sensors

Acoustic Sensors

Segmentation by Application:

Passenger Car

Commercial Vehicle

Others

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.

Bosch

HELLA

Hitachi Astemo

Continental Corporation

Walker Products

ACDelco

Valeo

FAE

Niterra

Goss

BWD

Dingxuansheng Technology

ZHEJIANG CENWAN SENSING TECHNOLOGY

Key Questions Addressed in this Report

What is the 10-year outlook for the global Internal Combustion Engine Knock Sensors market?

What factors are driving Internal Combustion Engine Knock Sensors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Internal Combustion Engine Knock Sensors market opportunities vary by end market size?

How does Internal Combustion Engine Knock Sensors break out by Type, by Application?

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