

Global Automotive Engine and Transmission Sensors Market Growth 2024-2030

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Abstracts

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According to our LPI (LP Information) latest study, the global Automotive Engine and Transmission Sensors market size was valued at US\$ 6361.8 million in 2023. With growing demand in downstream market, the Automotive Engine and Transmission Sensors is forecast to a readjusted size of US\$ 7599.8 million by 2030 with a CAGR of 2.6% during review period.

The research report highlights the growth potential of the global Automotive Engine and Transmission Sensors market. Automotive Engine and Transmission Sensors are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Automotive Engine and Transmission Sensors. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Automotive Engine and Transmission Sensors market.

MEMS-based sensors have proved to be the perfect solution in the field of automotive, where there is a growing need for smaller form factor for sensors with improved performance. Hence, the MEMS technology plays a pivotal role in downsizing the structure of automotive pressure sensors. Today's top-end vehicles constitute up to 100 different types of sensors, of which 30 would be MEMS sensors. Pressure sensors acquire the largest part of MEMS sensors for automotive applications.

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their

peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

Key Features:

The report on Automotive Engine and Transmission Sensors market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Automotive Engine and Transmission Sensors market. It may include historical data, market segmentation by Type (e.g., Piezoresistive Pressure Sensor, Capacitive Pressure Sensor), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Automotive Engine and Transmission Sensors market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Automotive Engine and Transmission Sensors market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Automotive Engine and Transmission Sensors industry. This include advancements in Automotive Engine and Transmission Sensors technology, Automotive Engine and Transmission Sensors new entrants, Automotive Engine and Transmission Sensors new investment, and other innovations that are shaping the future of Automotive Engine and Transmission Sensors.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Automotive Engine and Transmission Sensors market. It includes factors influencing customer ' purchasing decisions, preferences for Automotive Engine and Transmission Sensors product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Automotive Engine and Transmission Sensors market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Automotive Engine and Transmission Sensors market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Automotive Engine and Transmission Sensors market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Automotive Engine and Transmission Sensors industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Automotive Engine and Transmission Sensors market.

Market Segmentation:

Automotive Engine and Transmission Sensors market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type

Piezoresistive Pressure Sensor

Capacitive Pressure Sensor

Resonant Pressure Sensor

Optical Pressure Sensor

Other Pressure Sensors

Segmentation by application

Antilock Braking System

Airbag System

Direct Tire Pressure Monitoring System

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 analyzing the company's coverage, product portfolio, its market penetration.

Robert Bosch

Continental

Denso

Delphi

Sensata

Analog Devices

Infineon Technologies

NXP Semiconductors

Texas Instruments

Melexis

GE

TE Connectivity

Key Questions Addressed in this Report

What is the 10-year outlook for the global Automotive Engine and Transmission Sensors market?

What factors are driving Automotive Engine and Transmission Sensors market growth, globally and by region?

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

How do Automotive Engine and Transmission Sensors market opportunities vary by end market size?

How does Automotive Engine and Transmission Sensors break out type, application?

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