

Global Automotive Inertial Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Automotive Inertial Sensor market size was valued at USD 3039.3 million in 2023 and is forecast to a readjusted size of USD 3633.5 million by 2030 with a CAGR of 2.6% during review period.

Automotive inertial sensors mainly include automotive acceleration sensors, gyroscopes and IMUs. Automotive acceleration sensors account for about 71% of the production share, gyroscopes account for about 22% of the production share, and automotive IMUs account for about 6% of the production share.

Major manufacturers in the Chinese market include Bosch, STMicroelectronics, TDK (InvenSense), Murata, Analog Devices, and Continental AG. In 2019, Bosch's market share accounted for more than 22%.

The Global Info Research report includes an overview of the development of the Automotive Inertial Sensor industry chain, the market status of Passenger Vehicles (Automotive Acceleration Sensor, Car Gyroscope), Commercial Vehicles (Automotive Acceleration Sensor, Car Gyroscope), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Inertial Sensor.

Regionally, the report analyzes the Automotive Inertial Sensor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Inertial Sensor market, with robust domestic demand, supportive



policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Inertial Sensor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Inertial Sensor industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Automotive Acceleration Sensor, Car Gyroscope).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Inertial Sensor market.

Regional Analysis: The report involves examining the Automotive Inertial Sensor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Inertial Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Inertial Sensor:

Company Analysis: Report covers individual Automotive Inertial Sensor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Inertial Sensor This may involve surveys, interviews, and



analysis of consumer reviews and feedback from different by Application (Passenger Vehicles, Commercial Vehicles).

Technology Analysis: Report covers specific technologies relevant to Automotive Inertial Sensor. It assesses the current state, advancements, and potential future developments in Automotive Inertial Sensor areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Automotive Inertial Sensor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Automotive Inertial Sensor 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.

Market segment by Type

Automotive Acceleration Sensor

Car Gyroscope

Automotive IMU

Others

Market segment by Application

Passenger Vehicles

Commercial Vehicles



Major players covered

Bosch

STMicroelectronics

TDK (InvenSense)

NXP Semiconductors

Murata

Analog Devices

Continental AG

Honeywell

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive Inertial Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Inertial Sensor, with price,



sales, revenue and global market share of Automotive Inertial Sensor from 2019 to 2024.

Chapter 3, the Automotive Inertial Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Inertial Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and Automotive Inertial Sensor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Inertial Sensor.

Chapter 14 and 15, to describe Automotive Inertial Sensor sales channel, distributors, customers, research findings and conclusion.



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