

Global Automotive Inertial Measurement Unit (IMU) Sensors Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G5C77059BDFEN.html>

Date: May 2024

Pages: 97

Price: US\$ 3,480.00 (Single User License)

ID: G5C77059BDFEN

Abstracts

According to our (Global Info Research) latest study, the global Automotive Inertial Measurement Unit (IMU) Sensors market size was valued at USD 3870.8 million in 2023 and is forecast to a readjusted size of USD 12640 million by 2030 with a CAGR of 18.4% during review period.

The inertial measurement unit (IMU) is an electronic device, which is used to measure the non-gravitational force per unit mass, angular velocity, and the changes in the magnetic field surrounding the vehicle or specific parts of the vehicle.

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.

The Global Info Research report includes an overview of the development of the Automotive Inertial Measurement Unit (IMU) Sensors industry chain, the market status of Passenger Vehicle (MEMS gyroscope-based IMUs, FOG-based IMUs), Commercial

Vehicle (MEMS gyroscope-based IMUs, FOG-based IMUs), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Inertial Measurement Unit (IMU) Sensors.

Regionally, the report analyzes the Automotive Inertial Measurement Unit (IMU) Sensors 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 Measurement Unit (IMU) Sensors market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Automotive Inertial Measurement Unit (IMU) Sensors 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 Measurement Unit (IMU) Sensors 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., MEMS gyroscope-based IMUs, FOG-based IMUs).

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 Measurement Unit (IMU) Sensors market.

Regional Analysis: The report involves examining the Automotive Inertial Measurement Unit (IMU) Sensors 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 Measurement Unit (IMU) Sensors

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 Measurement Unit (IMU) Sensors:

Company Analysis: Report covers individual Automotive Inertial Measurement Unit (IMU) Sensors 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 Measurement Unit (IMU) Sensors. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Passenger Vehicle, Commercial Vehicle).

Technology Analysis: Report covers specific technologies relevant to Automotive Inertial Measurement Unit (IMU) Sensors. It assesses the current state, advancements, and potential future developments in Automotive Inertial Measurement Unit (IMU) Sensors areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive Inertial Measurement Unit (IMU) Sensors 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 Measurement Unit (IMU) 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.

Market segment by Type

MEMS gyroscope-based IMUs

FOG-based IMUs

Market segment by Application

Passenger Vehicle

Commercial Vehicle

Major players covered

Bosch

Continental

Honeywell

Murata Manufacturing

Texas Instruments

ZF Friedrichshafen

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 Measurement Unit (IMU) Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Inertial Measurement Unit (IMU) Sensors, with price, sales, revenue and global market share of Automotive Inertial Measurement Unit (IMU) Sensors from 2019 to 2024.

Chapter 3, the Automotive Inertial Measurement Unit (IMU) Sensors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Inertial Measurement Unit (IMU) Sensors 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 Measurement Unit (IMU) Sensors 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 Measurement Unit (IMU) Sensors.

Chapter 14 and 15, to describe Automotive Inertial Measurement Unit (IMU) Sensors sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Automotive Inertial Measurement Unit (IMU) Sensors

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 MEMS gyroscope-based IMUs

1.3.3 FOG-based IMUs

1.4 Market Analysis by Application

1.4.1 Overview: Global Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Passenger Vehicle

1.4.3 Commercial Vehicle

1.5 Global Automotive Inertial Measurement Unit (IMU) Sensors Market Size & Forecast

1.5.1 Global Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity (2019-2030)

1.5.3 Global Automotive Inertial Measurement Unit (IMU) Sensors Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Bosch

2.1.1 Bosch Details

2.1.2 Bosch Major Business

2.1.3 Bosch Automotive Inertial Measurement Unit (IMU) Sensors Product and Services

2.1.4 Bosch Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Bosch Recent Developments/Updates

2.2 Continental

2.2.1 Continental Details

2.2.2 Continental Major Business

2.2.3 Continental Automotive Inertial Measurement Unit (IMU) Sensors Product and

Services

2.2.4 Continental Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Continental Recent Developments/Updates

2.3 Honeywell

2.3.1 Honeywell Details

2.3.2 Honeywell Major Business

2.3.3 Honeywell Automotive Inertial Measurement Unit (IMU) Sensors Product and Services

2.3.4 Honeywell Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Honeywell Recent Developments/Updates

2.4 Murata Manufacturing

2.4.1 Murata Manufacturing Details

2.4.2 Murata Manufacturing Major Business

2.4.3 Murata Manufacturing Automotive Inertial Measurement Unit (IMU) Sensors Product and Services

2.4.4 Murata Manufacturing Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Murata Manufacturing Recent Developments/Updates

2.5 Texas Instruments

2.5.1 Texas Instruments Details

2.5.2 Texas Instruments Major Business

2.5.3 Texas Instruments Automotive Inertial Measurement Unit (IMU) Sensors Product and Services

2.5.4 Texas Instruments Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Texas Instruments Recent Developments/Updates

2.6 ZF Friedrichshafen

2.6.1 ZF Friedrichshafen Details

2.6.2 ZF Friedrichshafen Major Business

2.6.3 ZF Friedrichshafen Automotive Inertial Measurement Unit (IMU) Sensors Product and Services

2.6.4 ZF Friedrichshafen Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 ZF Friedrichshafen Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE INERTIAL MEASUREMENT UNIT (IMU) SENSORS BY MANUFACTURER

3.1 Global Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Manufacturer (2019-2024)

3.2 Global Automotive Inertial Measurement Unit (IMU) Sensors Revenue by Manufacturer (2019-2024)

3.3 Global Automotive Inertial Measurement Unit (IMU) Sensors Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Automotive Inertial Measurement Unit (IMU) Sensors by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Automotive Inertial Measurement Unit (IMU) Sensors Manufacturer Market Share in 2023

3.4.2 Top 6 Automotive Inertial Measurement Unit (IMU) Sensors Manufacturer Market Share in 2023

3.5 Automotive Inertial Measurement Unit (IMU) Sensors Market: Overall Company Footprint Analysis

3.5.1 Automotive Inertial Measurement Unit (IMU) Sensors Market: Region Footprint

3.5.2 Automotive Inertial Measurement Unit (IMU) Sensors Market: Company Product Type Footprint

3.5.3 Automotive Inertial Measurement Unit (IMU) Sensors Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Automotive Inertial Measurement Unit (IMU) Sensors Market Size by Region

4.1.1 Global Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Region (2019-2030)

4.1.2 Global Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Region (2019-2030)

4.1.3 Global Automotive Inertial Measurement Unit (IMU) Sensors Average Price by Region (2019-2030)

4.2 North America Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value (2019-2030)

4.3 Europe Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value (2019-2030)

4.4 Asia-Pacific Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value (2019-2030)

4.5 South America Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value (2019-2030)

4.6 Middle East and Africa Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Type (2019-2030)

5.2 Global Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Type (2019-2030)

5.3 Global Automotive Inertial Measurement Unit (IMU) Sensors Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Application (2019-2030)

6.2 Global Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Application (2019-2030)

6.3 Global Automotive Inertial Measurement Unit (IMU) Sensors Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Type (2019-2030)

7.2 North America Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Application (2019-2030)

7.3 North America Automotive Inertial Measurement Unit (IMU) Sensors Market Size by Country

7.3.1 North America Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Country (2019-2030)

7.3.2 North America Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Type (2019-2030)

8.2 Europe Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Application (2019-2030)

8.3 Europe Automotive Inertial Measurement Unit (IMU) Sensors Market Size by Country

8.3.1 Europe Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Country (2019-2030)

8.3.2 Europe Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Automotive Inertial Measurement Unit (IMU) Sensors Market Size by Region

9.3.1 Asia-Pacific Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Type (2019-2030)

10.2 South America Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Application (2019-2030)

10.3 South America Automotive Inertial Measurement Unit (IMU) Sensors Market Size by Country

10.3.1 South America Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Country (2019-2030)

10.3.2 South America Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Automotive Inertial Measurement Unit (IMU) Sensors Market Size by Country

11.3.1 Middle East & Africa Automotive Inertial Measurement Unit (IMU) Sensors Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Automotive Inertial Measurement Unit (IMU) Sensors Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Automotive Inertial Measurement Unit (IMU) Sensors Market Drivers

12.2 Automotive Inertial Measurement Unit (IMU) Sensors Market Restraints

12.3 Automotive Inertial Measurement Unit (IMU) Sensors Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

- 12.4.4 Threat of Substitutes
- 12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

- 13.1 Raw Material of Automotive Inertial Measurement Unit (IMU) Sensors and Key Manufacturers
- 13.2 Manufacturing Costs Percentage of Automotive Inertial Measurement Unit (IMU) Sensors
- 13.3 Automotive Inertial Measurement Unit (IMU) Sensors Production Process
- 13.4 Automotive Inertial Measurement Unit (IMU) Sensors Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

- 14.1 Sales Channel
 - 14.1.1 Direct to End-User
 - 14.1.2 Distributors
- 14.2 Automotive Inertial Measurement Unit (IMU) Sensors Typical Distributors
- 14.3 Automotive Inertial Measurement Unit (IMU) Sensors Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

- 16.1 Methodology
- 16.2 Research Process and Data Source
- 16.3 Disclaimer

I would like to order

Product name: Global Automotive Inertial Measurement Unit (IMU) Sensors Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G5C77059BDFEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G5C77059BDFEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

