

# **Global MEMS Combo Sensor Market Size study & Forecast, by Type (Movement Combo Sensor, Environment Combo Sensor, Optical Combo Sensor, Other Sensors Type), End User (Aerospace and Defense, Automotive, Consumer Electronics, Water and Wastewater Management, Oil and Gas, Food and Beverage and Other End Users) and Regional Analysis, 2022-2029**

<https://marketpublishers.com/r/G00BD8CA43DAEN.html>

Date: January 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: G00BD8CA43DAEN

## **Abstracts**

Global MEMS Combo Sensor Market is valued at approximately USD XX billion in 2021 and is anticipated to grow with a healthy growth rate of more than 11.5% over the forecast period 2022-2029. MEMS Combo Sensor is a chip-based device where two or more sensors consists of a mass suspended between two capacitive plates. The MEMS Combo Sensor market is expanding because of factors such as increasing demand for handheld & wearable devices, adoption of Advanced Driver Assistance Systems (ADAS) and self-driving solutions in the automotive industry and growth in interactive gaming. This market is dominated by Honeywell International, Inc., Bosch Sensortec GmbH, Analog Devices, Inc., Murata Manufacturing Co., Ltd. and InvenSense, Inc.

The growth of the automotive industry and the adoption of ADAS have increased the growth of the market. The automotive sector is adopting the ADAS feature for the vehicle as it uses combined sensors such as radar and camera to aware of the world around you and provide information to the driver. According to statistics in 2020, the ADAS industry generated USD 27.29 billion worldwide. The ADAS market is expected to grow and reach nearly \$58.59 billion by 2028 globally. Such as this includes advanced driver assistance systems including automatic emergency braking, lane

departure warning, automatic parking, and adaptive cruise control. According to CISCO Systems, there were 593 million connected wearable devices worldwide in 2018 and is expected to reach 115 million by 2022. Therefore, increasing the adoption of wearable devices is expected to contribute to the market growth of this market. Moreover, the growing inclination towards wearable devices due to health-conscious lifestyles and the adoption of health data tracking applications are proven to create further opportunity for this market in forthcoming years. However, the increase in the overall cost of MEMS stifles market growth throughout the forecast period of 2022-2029.

The key regions considered for the Global MEMS Combo Sensor Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America dominated the market in terms of revenue, owing to the dominance of branded products and the region's increasing technological development. According to the International Energy Agency (IEA) reports, the sales of plug-in electric light vehicles have nearly doubled from 340,000 units in 2020 to 607,600 units in the United States in 2021. Asia Pacific is expected to grow with a highest CAGR during the forecast period, owing to factors such as rising populations, an increase in the number of collaborations for, geographic expansion of key players, and active participation of government and nonprofit organizations in the market space. In December 2021, the Indian Union Cabinet announced that the Ministry of Electronics and Information Technology would take necessary steps to modernize and commercialize semiconductors. which also includes MEMS Sensors and other types of sensors.

Major market player included in this report are:

Panasonic Holding Corporation  
Analog Devices, Inc.  
KIONIX, Inc.  
MEMSIC Semiconductor Co., Ltd.  
Murata Manufacturing Co., Ltd.  
Safran Colibrys SA  
STMicroelectronics NV  
InvenSense, Inc.  
Honeywell International, Inc.  
Bosch Sensortec GmbH

Recent Developments in the Market:

In August 2022 – MEMS, the world leader in inertial MEMS sensors, released the MIC6100AL. This is the first MEMS 6-axis inertial sensor (IMU) that combines a 3-axis gyroscope with a 3-axis accelerometer to enable physically interactive devices. A gamepad and intelligent remote control with precise detection greatly enhances the user

experience.

In January 2022 – TDK launches the InvenSense ICM-45xxx SmartMotion Ultra-High-Performance (UHP) family of 6-axis MEMS motion sensors. It finds use in devices that require negligible gyro drift.

Global MEMS Combo Sensor Market Report Scope:

Historical Data 2019-2020-2021

Base Year for Estimation 2021

Forecast period 2022-2029

Report Coverage Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered Type, End-User, Region

Regional Scope North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Movement Combo Sensor

Environment Combo Sensor

Optical Combo Sensor

Other Sensor Type

By End-User:

Aerospace & Defense

Automotive

Consumer Electronics

Water and Wastewater Management

Oil and Gas

Food and Beverage

Other End Users

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

RoLA

Rest of the World

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2029 (USD Billion)
  - 1.2.1. MEMS Combo Sensor Market, by Region, 2019-2029 (USD Billion)
  - 1.2.2. MEMS Combo Sensor Market, by Type, 2019-2029 (USD Billion)
  - 1.2.3. MEMS Combo Sensor Market, by End-User, 2019-2029 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL MEMS COMBO SENSOR MARKET DEFINITION AND SCOPE**

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Industry Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### **CHAPTER 3. GLOBAL MEMS COMBO SENSOR MARKET DYNAMICS**

- 3.1. MEMS Combo Sensor Market Impact Analysis (2019-2029)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing Demand for Handheld & Wearable Devices
    - 3.1.1.2. Adoption Of ADAS And Self-Driving Solutions in Automotive Industry
    - 3.1.1.3. Growth In Interactive Gaming
  - 3.1.2. Market Challenges
    - 3.1.2.1. Increase In Overall Cost Of MEMS
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Growing Inclination Towards Wearable Devices
    - 3.1.3.2. Adoption Of Health Data Tracking Applications

### **CHAPTER 4. GLOBAL MEMS COMBO SENSOR MARKET INDUSTRY ANALYSIS**

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Futuristic Approach to Porter's 5 Force Model (2019-2029)
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economical
  - 4.3.3. Social
  - 4.3.4. Technological
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. Industry Experts Prospective
- 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. RISK ASSESSMENT: COVID-19 IMPACT**

- 5.1. Assessment of the overall impact of COVID-19 on the industry
- 5.2. Pre COVID-19 and post COVID-19 Market scenario

## **CHAPTER 6. GLOBAL MEMS COMBO SENSOR MARKET, BY TYPE**

- 6.1. Market Snapshot
- 6.2. Global MEMS Combo Sensor Market by Type, Performance - Potential Analysis
- 6.3. Global MEMS Combo Sensor Market Estimates & Forecasts by Type 2019-2029 (USD Billion)
- 6.4. MEMS Combo Sensor Market, Sub Segment Analysis
  - 6.4.1. Movement Combo Sensor
  - 6.4.2. Environment Combo Sensor
  - 6.4.3. Optical Combo Sensor
  - 6.4.4. Other Sensor Type

## **CHAPTER 7. GLOBAL MEMS COMBO SENSOR MARKET, BY END-USER**

- 7.1. Market Snapshot
- 7.2. Global MEMS Combo Sensor Market by End-User, Performance - Potential Analysis
- 7.3. Global MEMS Combo Sensor Market Estimates & Forecasts by End-User

2019-2029 (USD Billion)

#### 7.4. MEMS Combo Sensor Market, Sub Segment Analysis

- 7.4.1. Aerospace & Defense
- 7.4.2. Automotive
- 7.4.3. Consumer Electronics
- 7.4.4. Water and Wastewater Management
- 7.4.5. Oil and Gas
- 7.4.6. Food and Beverage
- 7.4.7. Other End Users

### **CHAPTER 8. GLOBAL MEMS COMBO SENSOR MARKET, REGIONAL ANALYSIS**

#### 8.1. MEMS Combo Sensor Market, Regional Market Snapshot

#### 8.2. North America MEMS Combo Sensor Market

- 8.2.1. U.S. MEMS Combo Sensor Market
  - 8.2.1.1. Type breakdown estimates & forecasts, 2019-2029
  - 8.2.1.2. End-User breakdown estimates & forecasts, 2019-2029
- 8.2.2. Canada MEMS Combo Sensor Market

#### 8.3. Europe MEMS Combo Sensor Market Snapshot

- 8.3.1. U.K. MEMS Combo Sensor Market
- 8.3.2. Germany MEMS Combo Sensor Market
- 8.3.3. France MEMS Combo Sensor Market
- 8.3.4. Spain MEMS Combo Sensor Market
- 8.3.5. Italy MEMS Combo Sensor Market
- 8.3.6. Rest of Europe MEMS Combo Sensor Market

#### 8.4. Asia-Pacific MEMS Combo Sensor Market Snapshot

- 8.4.1. China MEMS Combo Sensor Market
- 8.4.2. India MEMS Combo Sensor Market
- 8.4.3. Japan MEMS Combo Sensor Market
- 8.4.4. Australia MEMS Combo Sensor Market
- 8.4.5. South Korea MEMS Combo Sensor Market
- 8.4.6. Rest of Asia Pacific MEMS Combo Sensor Market

#### 8.5. Latin America MEMS Combo Sensor Market Snapshot

- 8.5.1. Brazil MEMS Combo Sensor Market
- 8.5.2. Mexico MEMS Combo Sensor Market
- 8.5.3. Rest of Latin America MEMS Combo Sensor Market

#### 8.6. Rest of The World MEMS Combo Sensor Market

### **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Top Market Strategies
- 9.2. Company Profiles
  - 9.2.1. Panasonic Holding Corporation
    - 9.2.1.1. Key Information
    - 9.2.1.2. Overview
    - 9.2.1.3. Financial (Subject to Data Availability)
    - 9.2.1.4. Product Summary
    - 9.2.1.5. Recent Developments
  - 9.2.2. Analog Devices, Inc.
  - 9.2.3. KIONIX, Inc.
  - 9.2.4. MEMSIC Semiconductor Co., Ltd.
  - 9.2.5. Murata Manufacturing Co., Ltd.
  - 9.2.6. Safran Colibrys SA
  - 9.2.7. STMicroelectronics NV
  - 9.2.8. InvenSense, Inc.
  - 9.2.9. Honeywell International, Inc.
  - 9.2.10. Bosch Sensortec GmbH

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process
  - 10.1.1. Data Mining
  - 10.1.2. Analysis
  - 10.1.3. Market Estimation
  - 10.1.4. Validation
  - 10.1.5. Publishing
- 10.2. Research Attributes
- 10.3. Research Assumption



## List Of Tables

### LIST OF TABLES

TABLE 1. Global MEMS Combo Sensor Market, report scope

TABLE 2. Global MEMS Combo Sensor Market estimates & forecasts by Region  
2019-2029 (USD Billion)

TABLE 3. Global MEMS Combo Sensor Market estimates & forecasts by Type  
2019-2029 (USD Billion)

TABLE 4. Global MEMS Combo Sensor Market estimates & forecasts by End-User  
2019-2029 (USD Billion)

TABLE 5. Global MEMS Combo Sensor Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 6. Global MEMS Combo Sensor Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 7. Global MEMS Combo Sensor Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 8. Global MEMS Combo Sensor Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 9. Global MEMS Combo Sensor Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 10. Global MEMS Combo Sensor Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 11. Global MEMS Combo Sensor Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 12. Global MEMS Combo Sensor Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 13. Global MEMS Combo Sensor Market by segment, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 14. Global MEMS Combo Sensor Market by region, estimates & forecasts,  
2019-2029 (USD Billion)

TABLE 15. U.S. MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD  
Billion)

TABLE 16. U.S. MEMS Combo Sensor Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 17. U.S. MEMS Combo Sensor Market estimates & forecasts by segment  
2019-2029 (USD Billion)

TABLE 18. Canada MEMS Combo Sensor Market estimates & forecasts, 2019-2029  
(USD Billion)

TABLE 19. Canada MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 20. Canada MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 21. UK MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 22. UK MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 23. UK MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 24. Germany MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 25. Germany MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 26. Germany MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 27. France MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 28. France MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 29. France MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 30. Italy MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 31. Italy MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 32. Italy MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 33. Spain MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 34. Spain MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 35. Spain MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 36. RoE MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 37. RoE MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 38. RoE MEMS Combo Sensor Market estimates & forecasts by segment

2019-2029 (USD Billion)

TABLE 39. China MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 40. China MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 41. China MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 42. India MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 43. India MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 44. India MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 45. Japan MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 46. Japan MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 47. Japan MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 48. South Korea MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 49. South Korea MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 50. South Korea MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 51. Australia MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 52. Australia MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 53. Australia MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 54. RoAPAC MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 55. RoAPAC MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 56. RoAPAC MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 57. Brazil MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 58. Brazil MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 59. Brazil MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 60. Mexico MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 61. Mexico MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 62. Mexico MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 63. RoLA MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 64. RoLA MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 65. RoLA MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 66. Row MEMS Combo Sensor Market estimates & forecasts, 2019-2029 (USD Billion)

TABLE 67. Row MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 68. Row MEMS Combo Sensor Market estimates & forecasts by segment 2019-2029 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global MEMS Combo Sensor Market

TABLE 70. List of primary sources, used in the study of global MEMS Combo Sensor Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global MEMS Combo Sensor Market, research methodology
  - FIG 2. Global MEMS Combo Sensor Market, Market estimation techniques
  - FIG 3. Global Market size estimates & forecast methods
  - FIG 4. Global MEMS Combo Sensor Market, key trends 2021
  - FIG 5. Global MEMS Combo Sensor Market, growth prospects 2022-2029
  - FIG 6. Global MEMS Combo Sensor Market, porters 5 force model
  - FIG 7. Global MEMS Combo Sensor Market, pest analysis
  - FIG 8. Global MEMS Combo Sensor Market, value chain analysis
  - FIG 9. Global MEMS Combo Sensor Market by segment, 2019 & 2029 (USD Billion)
  - FIG 10. Global MEMS Combo Sensor Market by segment, 2019 & 2029 (USD Billion)
  - FIG 11. Global MEMS Combo Sensor Market by segment, 2019 & 2029 (USD Billion)
  - FIG 12. Global MEMS Combo Sensor Market by segment, 2019 & 2029 (USD Billion)
  - FIG 13. Global MEMS Combo Sensor Market by segment, 2019 & 2029 (USD Billion)
  - FIG 14. Global MEMS Combo Sensor Market, regional snapshot 2019 & 2029
  - FIG 15. North America MEMS Combo Sensor Market 2019 & 2029 (USD Billion)
  - FIG 16. Europe MEMS Combo Sensor Market 2019 & 2029 (USD Billion)
  - FIG 17. Asia pacific MEMS Combo Sensor Market 2019 & 2029 (USD Billion)
  - FIG 18. Latin America MEMS Combo Sensor Market 2019 & 2029 (USD Billion)
  - FIG 19. Global MEMS Combo Sensor Market, company Market share analysis (2021)
- List of tables and figures and dummy in nature, final lists may vary in the final deliverable

## I would like to order

Product name: Global MEMS Combo Sensor Market Size study & Forecast, by Type (Movement Combo Sensor, Environment Combo Sensor, Optical Combo Sensor, Other Sensors Type), End User (Aerospace and Defense, Automotive, Consumer Electronics, Water and Wastewater Management, Oil and Gas, Food and Beverage and Other End Users) and Regional Analysis, 2022-2029

Product link: <https://marketpublishers.com/r/G00BD8CA43DAEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

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

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G00BD8CA43DAEN.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