Motion Sensors Market by Motion Sensor Technology (Infrared, Ultrasonic, Microwave, Dual Technology & Tomographic), Embedded Sensor Type (Accelerometer, Gyroscope, Magnetometer & Combos Sensor), Application & Region - Global Forecast to 2020

Description: Motion sensors have applications across varied industry verticals, such as consumer electronics, automotive, industrial & healthcare, and aerospace & defense. The consumer electronics segment is further sub-segmented into smartphone & tablets, gaming & entertainment, and wearable electronics. The automotive segment is sub-segmented into airbag deployment system and driver assistance system. Industrial application segment includes fire alarms & smoke detectors, lighting controls, and service robotics. Asia-Pacific is the fastest-growing market for consumer electronics application and is expected to grow at a CAGR of 15.14% from 2015 to 2020.

The global motion sensors market is primarily driven by the adoption of motion sensors in multiple industries, the increased use of smartphones, tablets, and mobile devices, the integration of gyroscopes in mobile devices, and the rapidly growing interactive gaming industry. Another major factor driving the motion sensors market is the reduction in size and the penetration of micro-electro-mechanical systems (MEMS) technology into motion sensor industry.

The global motion sensors market was valued at USD 3.10 Billion in 2014 and is projected to reach USD 6.45 Billion by 2020, at a CAGR of 12.93% from 2015 to 2020.

The global motion sensors market has been segmented on the basis technology, embedded sensor type, application, and geography. The technology segment is subdivided into infrared, ultrasonic, microwave, dual technology & tomographic. Infrared sensor had the highest share of 50% in the global market in 2014. Microwave sensor is estimated to grow at the highest CAGR of 15.27% during the forecast period.

The market on the basis of geography has been classified into four regions, namely, North America, Europe, APAC (Asia-Pacific), and RoW (rest of the world). APAC region is expected to contribute maximum towards motion sensors market.

The major players in the global motion sensors market include Bosch Sensortec GmbH (Germany), Freescale Semiconductor Ltd. (U.S.), STMicroelectronics (Switzerland), MEMSIC, Inc. (U.S.), Honeywell International, Inc. (U.S.), Murata Manufacturing Co., Ltd. (Japan), and Analog Devices, Inc. (U.S.). These companies have adopted various strategies, such as mergers & acquisitions and partnership, among others, to achieve growth in the global market.

Scope of the Report:

This report categorizes the global market for motion sensors on the basis of motion technology, embedded sensor type, application, and geography.

Market Segmentation, by Motion Technology:

The market has been segmented on the basis of technology into infrared sensor, ultrasonic sensor, microwave sensor, tomographic sensor, and dual-technology motion sensor.

Market Segmentation, by Embedded Sensor Type:

The market has been segmented on the basis of embedded sensor type into MEMS accelerometer, MEMS gyroscope, MEMS magnetometer, and sensor combos.

Market Segmentation, by Application:

The motion sensor market has been segmented on the basis of application into consumer electronics, automotive, industrial & healthcare, and aerospace & defense.
Market Segmentation, by Geography:

The geographic analysis covers North America, Europe, Asia-Pacific, and RoW.

Contents:

1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Study Scope
      1.3.1 Markets Covered
      1.3.2 Geographic Scope
      1.3.3 Years Considered for the Study
   1.4 Currency
   1.5 Limitations
   1.6 Stakeholders

2 Research Methodology
   2.1 Research Data
      2.1.1 Secondary Data
         2.1.1.1 Key Data From Secondary Sources
      2.1.2 Primary Data
         2.1.2.1 Key Data From Primary Resources
         2.1.2.2 Key Industry Insights
         2.1.2.3 Breakdown of Primaries
   2.2 Factor Analysis
      2.2.1 Introduction
      2.2.2 Demand-Side Analysis
         2.2.2.1 High Demand for Smartphones Across the World
   2.3 Market Size Estimation
   2.4 Bottom-Up Approach
   2.5 Top-Down Approach
   2.6 Market Breakdown & Data Triangulation
   2.7 Research Assumption and Limitations
      2.7.1 Assumptions
      2.7.2 Limitations

3 Executive Summary

4 Premium Insights
   4.1 Attractive Market Opportunities in the Global Motion Sensors Market
   4.2 Global Motion Sensors Market: By Application
   4.3 Europe Accounted for More Than One Third of the Overall Motion Sensors Market in 2015
   4.4 Global Motion Sensors Market, By Application
   4.5 Global Motion Sensors Market, By Motion Sensor Technology
   4.6 Global Motion Sensors Market, By Embedded Sensor

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
      5.2.1 Motion Sensors Market, By Motion Technology
      5.2.2 Motion Sensors Market, By Embedded Sensor Type
      5.2.3 Motion Sensors Market, By Application
      5.2.4 Motion Sensors Market, By Geography
   5.3 History and Evolution of Motion Sensors
   5.4 Market Dynamics
      5.4.1 Drivers
         5.4.1.1 Growing Demand for Smartphones, Tablets, and Notebooks
         5.4.1.2 Advancement in Micro-Electro-Mechanical Systems (Mems) Technology
         5.4.1.3 Rapidly Growing Interactive Motion Gaming Industry
      5.4.2 Restraints
         5.4.2.1 Availability of Alternatives at Low Cost
         5.4.2.2 Limitations of Accelerometer
5.4.3 Opportunities
   5.4.3.1 Growing Applications in Consumer Electronic Industry
5.4.4 Challenges
5.4.5 Technological Concerns

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Porter’s Five Forces Analysis
   6.3.1 Intensity of Competitive Rivalry
   6.3.2 Threat of Substitutes
   6.3.3 Bargaining Power of Buyers
   6.3.4 Bargaining Power of Suppliers
   6.3.5 Threat of New Entrants

7 Global Motion Sensors Market, By Technology
   7.1 Introduction
   7.2 Infrared Motion Sensor
   7.3 Ultrasonic Sensor
   7.4 Microwave Sensor
   7.5 Dual Technology Sensor
   7.6 Tomographic Sensor
   7.7 Other Motion Sensor Technology

8 Global Motion Sensors Market, By Embedded Sensor Type
   8.1 Introduction
   8.2 Mems Accelerometer
   8.3 Mems Gyroscope
   8.4 Mems Magnetometer
   8.5 Sensor Combos

9 Global Motion Sensor Market, By Application
   9.1 Introduction
   9.2 Consumer Electronics
      9.2.1 Smartphones & Tablets
      9.2.2 Gaming & Entertainment
      9.2.3 Wearable Devices
      9.2.4 Others
   9.3 Automotive Application
      9.3.1 Airbag Deployment System
      9.3.2 Advanced Driver Assistance System (Adas)
   9.4 Industrial Application
      9.4.1 Fire Alarms & Smoke Detectors
      9.4.2 Lighting Controls (Outdoor/Indoor)
      9.4.3 Service Robotics
   9.5 Aerospace & Defense
   9.6 Healthcare
   9.7 Others

10 Global Motion Sensor Market, By Geography
   10.2 Introduction
   10.3 North America
   10.4 Europe
   10.5 Asia-Pacific
   10.6 Rest of the World

11 Competitive Landscape
   11.1 Overview
   11.2 Market Share Analysis, Global Motion Sensors Market
   11.3 Competitive Situation and Trends
      11.3.1 New Product Launches
      11.3.2 Agreements, Partnerships, Collaborations, & Joint Ventures
      11.3.3 Mergers and Acquisitions
11.3.4 Expansions

12 Company Profiles
12.1 Introduction
(Overview, Financials, Products & Services, Strategy, and Developments)*
12.2 ST Microelectronics
12.3 Murata Manufacturing Co. Ltd.
12.4 Honeywell International, Inc.
12.5 Freescale Semiconductor, Ltd.
12.6 Analog Devices, Inc.
12.7 Microchip Technology, Inc.
12.8 Invensense, Inc.
12.9 Bosch Sensortec GmbH
12.10 Memsc Inc.
12.11 Kionix Inc.

*Details on Overview, Financials, Product & Services, Strategy, and Developments Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
13.1 Insights of Industry Experts
13.2 Discussion Guide
13.3 Introducing RT: Real Time Market Intelligence
13.4 Available Customizations
13.5 Related Reports

List of Tables
Table 1 Advancement in Mems Technology and Motion Gaming Will Drive the Growth of Motion Sensors Market
Table 2 Limitation and Alternate Solutions Will Obstruct the Growth of Motion Sensors
Table 3 The Advancement in Consumer Electronics Will Increase the Demand in Future
Table 4 Technological Concerns Impacting the Growth of the Market
Table 5 Motion Sensors Market , By Motion Technology, 2014-2020 (USD Million)
Table 6 Motion Sensors Market Size, By Technology, 2014-2020 ( Million Units)
Table 7 Infrared Sensor Market, By Geography, 2014-2020 (USD Million)
Table 8 Infrared Sensor Market, By Geography, 2014-2020 (Million Units)
Table 9 Infrared Sensor Market, By Application, 2014-2020 (USD Million)
Table 10 Infrared Sensor Market, By Application, 2014-2020 (Million Units)
Table 11 Infrared Sensor Market, By Embedded Sensor Type, 2014-2020 (USD Million)
Table 12 Infrared Sensor Market, By Embedded Sensor Type, 2014-2020 (Million Units)
Table 13 Ultrasonic Sensor Market, By Geography, 2014-2020 (USD Million)
Table 14 Ultrasonic Sensor Market, By Geography, 2014-2020 (Million Units)
Table 15 Ultrasonic Sensor Market, By Application, 2014-2020 (Million Units)
Table 16 Ultrasonic Sensor Market, By Application, 2014-2020 (Million Units)
Table 17 Microwave Sensor Market , By Geography, 2014-2020 (USD Million)
Table 18 Microwave Sensor Market, By Geography, 2014-2020 (Million Units)
Table 19 Microwave Sensor Market, By Application, 2014-2020 (USD Million)
Table 20 Microwave Sensor Market, By Application, 2014-2020 (Million Units)
Table 21 Microwave Sensor Market, By Embedded Sensor Type, 2014-2020 (USD Million)
Table 22 Microwave Sensor Market, By Embedded Sensor Type, 2014-2020 (Million Units)
Table 23 Dual Technology Sensor Market, By Geography, 2014-2020 (USD Million)
Table 24 Dual Technology Sensor Market, By Geography, 2014-2020 (Million Units)
Table 25 Dual Technology Sensor Market, By Application, 2014-2020 (USD Million)
Table 26 Dual Technology Sensor Market, By Application, 2014-2020 (Million Units)
Table 27 Dual Technology Sensor Market, By Embedded Sensor Type, 2014-2020 (USD Million)
Table 28 Dual Technology Sensor Market, By Embedded Sensor Type, 2014-2020 (Million Units)
Table 29 Tomographic Motion Sensor Market , By Geography, 2014-2020 (USD Million)
Table 30 Tomographic Motion Sensor Market, By Geography 2014-2020 (Million Units)
Table 31 Tomographic Motion Sensor Market, By Application, 2014-2020 (USD Million)
Table 32 Tomographic Motion Sensor Market, By Application, 2014-2020 (Million Units)
Table 33 Tomographic Motion Sensor Market, By Embedded Sensor Type, 2014-2020 (USD Million)
Table 34 Tomographic Motion Sensor Market, By Embedded Sensor Type, 2014-2020 (Million Units)
Table 35 Tomographic Motion Sensor Market By Embedded Sensor Type, 2014-2020 (USD Million)
Table 36 Tomographic Motion Sensor Market, By Embedded Sensor Type, 2014-2020 (Million Units)
Table 37 Other Motion Technology Market, By Geography, 2014-2020 (USD Million)
Table 38 Other Motion Technology Market Size, By Application, 2014-2020 (USD Million)
Table 39 Other Motion Technology Market Size, By Application, 2014-2020 (Million Units)
Table 40 Global Motion Sensors Market, By Embedded Sensor Type, 2014-2020 (USD Million)
Table 41 Global Motion Sensors Market, By Embedded Sensor Type, 2014-2020 (Million Units)
Table 42 Global Market Size, By Embedded Sensor Type, 2014-2020 (Million Units)
Table 43 Accelerometer Market Size, By Geography, 2014-2020 (USD Million)
Table 44 Gyroscope Market Size, By Geography, 2014-2020 (USD Million)
Table 45 Magnetometer Market, By Geography, 2014-2020 (USD Million)
Table 46 Sensor Combos Market Size, By Geography, 2014-2020 (USD Million)
Table 47 Motion Sensor Market, By Application, 2014-2020 (USD Million)
Table 48 Global Motion Sensor Market, By Application, 2014-2020 (Million Units)
Table 49 Consumer Electronics Market, By Type 2014-2020 (USD Million)
Table 50 Consumer Electronics Market, By Type, 2014-2020 (Million Units)
Table 51 Consumer Electronics Market, By Geography, 2014-2020 (USD Million)
Table 52 Automotive Market, By Type, 2014-2020 (USD Million)
Table 53 Automotive Market, By Type, 2014-2020 (Million Units)
Table 54 Automotive Market, By Geography, 2014-2020 (USD Million)
Table 55 Industrial Market Size, By Type, 2014-2020 (USD Million)
Table 56 Industrial Market, By Type, 2014-2020 (Million Units)
Table 57 Industrial Market, By Geography, 2014-2020 (USD Million)
Table 58 Aerospace & Defense Market, By Geography, 2014-2020 (USD Million)
Table 59 Healthcare Market, By Geography, 2014-2020 (USD Million)
Table 60 Other Application Market, By Geography, 2014-2020 (USD Million)
Table 61 Global Motion Sensor Market Size, By Region, 2014-2020 (USD Million)
Table 62 Motion Sensor Market, By Region, 2014-2020 (Million Units)
Table 63 North America Market, By Country, 2014-2020 (USD Million)
Table 64 Europe Motion Sensors Market, By Country, 2014-2020 (Million Units)
Table 65 Asia-Pacific Market Size, By Country, 2014-2020 (USD Million)
Table 66 Rest of World Motion Sensor Market, By Country, 2014-2020 (USD Million)
Table 67 New Product Launches, 2013-2015
Table 68 Agreements, Partnerships, Collaborations, and Joint Ventures, 2012-2014
Table 69 Mergers and Acquisitions, 2013-2014
Table 70 Expansions, 2014

List of Figures

Figure 1 Global Motion Sensors Market: Markets Covered
Figure 2 Global Market: Research Methodology
Figure 3 Global Smartphone Shipments
Figure 4 Market Size Estimation Methodology: Bottom-Up Approach
Figure 5 Market Size Estimation Methodology: Top-Down Approach
Figure 6 Market Breakdown and Data Triangulation
Figure 7 Assumptions of the Research Study
Figure 8 Limitation of the Study
Figure 9 The Infrared Sensor Technology is Estimated to Hold the Highest Market Size During the Forecast Period
Figure 10 The Consumer Electronics Industry is Expected to Account for the Highest Market Share for 2014 & 2020
Figure 11 APAC Likely to Account for the Largest Market Share in the Global Motion Sensors Market During the Forecast Period
Figure 12 Global Market is Projected to Register the Fastest Growth in the APAC Region During the Forecast Period
Figure 13 Consumer Electronics is Projected to Hold the Highest Market Share Between 2014 and 2020
Figure 14 Asia-Pacific Commanded the Largest Share of the Overall Motion Sensors Market in 2014
Figure 15 The Consumer Electronics Application Accounted for the Largest Market Share in 2014
Figure 16 Infrared Accounted for the Largest Market Share in 2014
Figure 17 Accelerometer Accounted for the Highest Market Share in 2014
Figure 18 Global Motion Sensors Market: Segmentation
Figure 19 Global Market Segmentation: By Motion Technology
Figure 20 Global Market Segmentation: By Embedded Sensors
Figure 21 Global Market Segmentation: By Application
Figure 22 Global Market Segmentation: By Geography
Figure 23 Evolution: Motion Sensors
Figure 24 Rapidly Growing Interactive Gaming Industry and Demand for Smartphones Will Drive the Market
Figure 25 Value Chain Analysis (2014): Major Value Addition is Done During Manufacturing and Assembling Phase
Figure 26 Porter's Five Forces Analysis (2014)
Figure 27 Porter's Five Forces Analysis: Competitive Rivalry Have Medium Impact in the Market
Figure 28 Intensity of Competitive Rivalry: Medium Competition in the Market Due to the Effect of Competition From the Dominant Industry Leaders
Figure 29 The Threat of Substitute Will Be Low Due to the High Switching Cost for Buyers
Figure 30 The Bargaining Power of Buyers Would Be Medium Due to the Moderate Customer Adoption of Motion Sensor
Figure 31 The Bargaining Power of Suppliers Will Be Medium Due to Increase in Switching of Supplier By Buyers
Figure 32 The Threat of New Entrants Will Be Low Due to Stiff Competition From the Existing Players
Figure 33 Global Motion Sensors Market, By Technology
Figure 34 Market, By Technology, 2014 & 2020 (USD Million)
Figure 35 Infrared Sensor Market, By Geography 2014 & 2020 (USD Million)
Figure 36 Ultrasonic Sensor Market, By Geography, 2014 & 2020(USD Million)
Figure 37 Microwave Sensor Market, By Geography, 2014 & 2020 (USD Million)
Figure 38 Dual Technology Sensor Market, By Geography, 2014 & 2020 (USD Million)
Figure 39 Tomographic Sensor Market, By Geography, 2014 & 2020 (USD Million)
Figure 40 Other Motion Technology Market Size, By Geography, 2014 & 2020 (USD Million)
Figure 41 Global Motion Sensor Market, By Embedded Sensor Type
Figure 42 Global Market, By Embedded Sensor Type, 2014 & 2020 (USD Million)
Figure 43 Accelerometer Market Size, By Geography, 2014 & 2020 (USD Million)
Figure 44 Gyroscope Market Size, By Geography, 2014 & 2020 (USD Million)
Figure 45 Magnetometer Market, By Geography, 2014 & 2020 (USD Million)
Figure 46 Sensor Combos Market Size, By Geography, 2014 & 2020 (USD Million)
Figure 47 Global Motion Sensor Market, By Application: Segmentation
Figure 48 Global Motion Sensor Market, By Application, 2014 & 2020 (USD Million)
Figure 49 Consumer Electronics Application Market, By Type, 2014 & 2020 (USD Million)
Figure 50 Automotive Application Market, By Type, 2014 & 2020 (USD Million)
Figure 51 Industrial Market Size, By Type, 2014 & 2020 (USD Million)
Figure 52 Aerospace & Defence Market, By Geography, 2014 & 2020 (USD Million)
Figure 53 Health Care Application Market, By Geography, 2014 & 2020 (USD Million)
Figure 54 Global Motion Sensor Market, By Geography
Figure 55 Global Motion Sensors, Geographic Snapshot (2014-2020)
Figure 56 Global Motion Sensors Market Size, By Region 2014 & 2020
Figure 57 North America Motion Sensors Market Snapshot, 2014
Figure 58 Europe Motion Sensors Market Snapshot, 2014
Figure 59 Asia-Pacific Motion Sensors Market Snapshot, 2014
Figure 60 Product Innovations, Partnerships, and Agreements are the Key Growth Strategies Over 2013-2015
Figure 61 Market Evolution Framework- Significant Product Developments Fuelled the Growth and Innovation in 2014 & 2015
Figure 62 Battle for Market Share: New Product Launch Was the Key Strategy
Figure 63 Geographic Revenue Mix of Top Five Players
Figure 64 Stmicroelectronics: Company Snapshot
Figure 65 Stmicroelectronics: SWOT Analysis
Figure 66 Murata Manufacturing Co. Ltd.: Company Snapshot
Figure 67 Murata Manufacturing Co., Ltd.: SWOT Analysis
Figure 68 Honeywell International Inc.: Company Snapshot
Figure 69 Honeywell International, Inc.: SWOT Analysis
Figure 70 Freescale Semiconductors: Company Snapshot
Figure 71 Freescale Semiconductor: SWOT Analysis
Figure 72 Analog Devices, Inc.: Business Overview
Figure 73 Analog Devices Inc.: SWOT Analysis
Figure 74 Microchip Technology, Inc.: Company Snapshot
Figure 75 Invensense, Inc.: Company Snapshot
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