

Automotive MEMS Market Report: Trends, Forecast and Competitive Analysis

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Abstracts

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Automotive MEMS Sensor Market Trends and Forecast

The future of the global automotive MEMS sensor market looks promising with opportunities in the pressure sensor, accelerometer, gyroscope, and others. The global automotive MEMS market is expected to reach an estimated \$4.7 billion by 2027 and is forecast to grow at a CAGR of 6.6% from 2021 to 2027. The major drivers of growth for this market are continuous increases in the electronic content per vehicles and various governmental regulations for fuel emissions and safety in vehicles and increasing automotive production.

Emerging Trends in the Automotive MEMS Sensor Market

Emerging trends, which have a direct impact on the dynamics of the industry, include development of MEMS sensor on 300mm wafers and development of MEMS triaxial acceleration sensor.

A total of 116 figures / charts and 82 tables are provided in this 162-page report to help in your business decisions. Sample figures with some insights are shown below. To learn the scope, benefits, companies' researched, and other details of the global automotive MEMS sensor market report, please download the report brochure.

Automotive MEMS Sensor Market by Segments

Lucintel forecasts that safety and chassis segment will remain the largest segment by application is expected to witness the highest growth over the forecast period. The study includes trends and forecast for the global automotive MEMS sensor market by product, application, and region, as follows:

Automotive MEMS Sensor Market by Product type (\$ Million Shipment Analysis from 2016 to 2027):

Pressure Sensor

Accelerometer

Gyroscope

Others

Automotive MEMS Sensor Market by Application (\$ Million Shipment Analysis from 2016 to 2027):

Safety and Chassis

Powertrain

Infotainment

Body and Convenience

Automotive MEMS Sensor Market by Region (\$ Million Shipment Analysis from 2016 to 2027):

North America

Europe

Asia Pacific

The Rest of the World

List of Automotive MEMS Sensor Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies automotive MEMS sensor companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the automotive MEMS sensor companies profiled in this report includes.

Robert Bosch GmbH

Sensata technologies, Inc.

NXP

Analog Devices, Inc.

Infineon Technologies AG

Automotive MEMS Sensor Market Insights

Lucintel forecasts that safety and chassis segment will remain the largest region and is expected to witness the highest growth over the forecast period due to due to continuous implementation of vehicle safety regulations and increased awareness about safety among customers.

North America is expected to remain the largest market due to high growth in mid-size, luxury and light vehicle production, continuous implementation of regulations on fuel emission and safety, whereas Europe and APAC are expected to witness significant growth over the forecast period because of strict government regulations on fuel emission and safety of vehicles, high growth in vehicle production and sales combined with continuous demand for safety and comfort features.

Features of the Global Automotive MEMS Sensor Market

Market Size Estimates: Global automotive MEMS sensor market size estimation in terms of value (\$M) shipment.

Trend and Forecast Analysis: Market trends (2016-2021) and forecast (2022-2027) by various segments.

Segmentation Analysis: Global automotive MEMS sensor market size by various segments, such as by product and application in terms of value.

Regional Analysis: Global automotive MEMS sensor market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different segments by product, application, and regions for the global automotive MEMS sensor market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape of the global automotive MEMS sensor market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model

FAQ

Q1. What is the automotive MEMS sensor market size?

Answer: The global automotive MEMS sensor market is expected to reach an estimated \$4.7 billion by 2027.

Q2. What is the growth forecast for automotive MEMS sensor market?

Answer: The automotive MEMS sensor market is expected to grow at a CAGR of 6.6% from 2021 to 2027.

Q3. What are the major drivers influencing the growth of the automotive MEMS sensor market?

Answer: The major drivers for this market are continuous increases in the electronic content per vehicles and various governmental regulations for fuel emissions and safety in vehicles and increasing automotive production.

Q4. What are the major vehicle type or end use industries for automotive MEMS sensor?

Answer: Pressure sensor is the major segment by product type for automotive MEMS sensor.

Q5. What are the emerging trends in automotive MEMS sensor market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include development of MEMS sensor on 300mm wafers and development of MEMS triaxial acceleration sensor.

Q6. Who are the key automotive MEMS sensor companies?

Answer: Some of the key automotive MEMS sensor companies are as follows:

Robert Bosch GmbH

Sensata technologies, Inc.

NXP

Analog Devices, Inc.

Infineon Technologies AG

Q7. Which automotive MEMS sensor segment will be the largest in future?

Answer: Lucintel forecasts that safety and chassis segment will remain the largest region and is expected to witness the highest growth over the forecast period due to due to continuous implementation of vehicle safety regulations and increased awareness about safety among customers.

Q8: In automotive MEMS sensor market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to remain the largest market due to high growth in mid-size, luxury and light vehicle production, continuous implementation of regulations on fuel emission and safety, whereas Europe and APAC are expected to witness significant growth over the forecast period because of strict government regulations on fuel emission and safety of vehicles, high growth in vehicle production and sales combined with continuous demand for safety and comfort features..

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Answer: Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising growth opportunities for the global automotive MEMS sensor market by product type (Pressure Sensor, Accelerometer, Gyroscope, and Others), application (Safety and Chassis, Powertrain, Infotainment, and Body and Convenience), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2 Which segments will grow at a faster pace and why?

Q.3 Which region will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges, and business risks in this market?

Q.5 What are the business risks and competitive threats in this market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are some of the changing demands of customers in the market?

Q.8 What are the new developments in the market and which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being taken

by key players for business growth?

Q.10 What are some of the competing products in this market and how big of a threat do they pose for loss of market share by product substitution?

Q.11 What M&A activity has occurred in the last five years?

Contents

1. EXECUTIVE SUMMARY

2. AUTOMOTIVE MEMS SENSOR MARKET: BACKGROUND AND CLASSIFICATIONS

2.1: Introduction

2.1.1: Market Classification

2.1.2: Markets Served

2.1.3: Supply Chain

3. MARKET TRENDS AND FORECAST ANALYSIS

3.1: Market Analysis 2022

3.1.1: Global Automotive MEMS Sensor Market by Product Type

3.1.2: Global Automotive MEMS Sensor Market by Application

3.1.3: Global Automotive MEMS Sensor Market by Region in Terms of Value and Volume

3.2: Market Trends from 2016 to 2021

3.2.1: Macroeconomic Trends

3.2.2: Trends of the Global Automotive MEMS Sensor Market by Value and Volume
Global Automotive MEMS Sensor Market by Product Type

Pressure Sensor

Accelerometer

Gyroscope

Others

Global Automotive MEMS Sensor Market by Application

Safety and Chassis

Powertrain

Infotainment

Body and Convenience

3.2.3: Trends of the North American Automotive MEMS Sensor Market by Value and Volume

3.2.4: Trends of the European Automotive MEMS Sensor Market by Value and Volume

3.2.5: Trends of the APAC Automotive MEMS Sensor Market by Value and Volume

3.2.6: Trends of the ROW Automotive MEMS Sensor Market by Value and Volume

3.3: Industry Drivers and Challenges

3.4: Market Forecast from 2022 to 2027

3.4.1: Macroeconomic Forecasts

3.4.2: Forecast for the Global Automotive MEMS Sensor Market by Value and Volume

Global Automotive MEMS Sensor Market by Product Type

Pressure Sensor

Accelerometer

Gyroscope

Others

Global Automotive MEMS Sensor Market by Application

Safety and Chassis

Powertrain

Infotainment

Body and Convenience

3.4.3: Forecast for the North American Automotive MEMS Sensor Market by Value and Volume

3.4.4: Forecast for the European Automotive MEMS Sensor Market by Value and Volume

3.4.5: Forecast for the APAC Automotive MEMS Sensor Market by Value and Volume

3.4.6: Forecast for the ROW Automotive MEMS Sensor Market by Value and Volume

4. COMPETITOR ANALYSIS

4.1: Product Portfolio Analysis

4.2: Market Share Analysis

4.3: Growth Leadership Analysis

4.4: Porter's Five Forces Analysis

5. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

5.1: Growth Opportunities for the Global Automotive MEMS Sensor Market by Region

5.2: Emerging Trends in the Global Automotive MEMS Sensor Market

5.3: Strategic Analysis

5.3.1: New Product Development

5.3.2: Capacity Expansion in the Global Automotive MEMS Sensor Market

5.3.3: Certification and Licensing

5.4: Mergers and Acquisitions in the Global Automotive MEMS Sensor Market

6. COMPANY PROFILES OF LEADING PLAYERS

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