

Global Automotive Micro-electromechanical System (MEMS) Sensors Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

An automotive MEMS sensor refers to the micro-electro mechanical system used in automobile applications. An automotive device is efficient when it is capable to manage the synchronization between the sensors and actuator, while achieving high performance with low cost.

According to our (Global Info Research) latest study, the global Automotive Micro-electromechanical System (MEMS) Sensors market size was valued at USD 24110 million in 2022 and is forecast to a readjusted size of USD 46570 million by 2029 with a CAGR of 9.9% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

MEMS sensors in an automotive provides an enhancement in the reliability of the device along with smaller size. The growing need for inter vehicle communication (connected car) and increasing adoption of advance driver assisted system (ADAS) has led to the integration of multiple sensors in automobile. Vehicle dynamic control (VDC) for ordinary passenger cars has become practical due to the advent of MEMS sensors in an automotive. It is playing a vital part in safety applications of the vehicle and automotive infotainment.

This report is a detailed and comprehensive analysis for global Automotive Micro-electromechanical System (MEMS) Sensors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected

competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Automotive Micro-electromechanical System (MEMS) Sensors market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Automotive Micro-electromechanical System (MEMS) Sensors market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Automotive Micro-electromechanical System (MEMS) Sensors market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2018-2029

Global Automotive Micro-electromechanical System (MEMS) Sensors market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/Unit), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Automotive Micro-electromechanical System (MEMS) Sensors

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Automotive Micro-electromechanical System (MEMS) Sensors market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sensata Technologies, Texas Instruments, STMicroelectronics, Panasonic and Robert Bosch, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Automotive Micro-electromechanical System (MEMS) Sensors market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

MEMS Pressure Sensor

MEMS Inertial Sensor

MEMS Gas Sensors

Others

Market segment by Application

Industrial

Chemical

Commercial

Infotainment

Others

Major players covered

Sensata Technologies

Texas Instruments

STMicroelectronics

Panasonic

Robert Bosch

Infineon Technologies

Denso

Analog Devices

TDK

NXP Semiconductors

Allegro MicroSystems

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 Micro-electromechanical System (MEMS) Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Micro-electromechanical System (MEMS) Sensors, with price, sales, revenue and global market share of Automotive Micro-electromechanical System (MEMS) Sensors from 2018 to 2023.

Chapter 3, the Automotive Micro-electromechanical System (MEMS) Sensors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Micro-electromechanical System (MEMS) Sensors breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and Automotive Micro-electromechanical System (MEMS) Sensors market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Micro-electromechanical System (MEMS) Sensors.

Chapter 14 and 15, to describe Automotive Micro-electromechanical System (MEMS) Sensors sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Automotive Micro-electromechanical System (MEMS) Sensors

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Type: 2018 Versus 2022 Versus 2029

1.3.2 MEMS Pressure Sensor

1.3.3 MEMS Inertial Sensor

1.3.4 MEMS Gas Sensors

1.3.5 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Application: 2018 Versus 2022 Versus 2029

1.4.2 Industrial

1.4.3 Chemical

1.4.4 Commercial

1.4.5 Infotainment

1.4.6 Others

1.5 Global Automotive Micro-electromechanical System (MEMS) Sensors Market Size & Forecast

1.5.1 Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018 & 2022 & 2029)

1.5.2 Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (2018-2029)

1.5.3 Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price (2018-2029)

2 MANUFACTURERS PROFILES

2.1 Sensata Technologies

2.1.1 Sensata Technologies Details

2.1.2 Sensata Technologies Major Business

2.1.3 Sensata Technologies Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

2.1.4 Sensata Technologies Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.1.5 Sensata Technologies Recent Developments/Updates

2.2 Texas Instruments

2.2.1 Texas Instruments Details

2.2.2 Texas Instruments Major Business

2.2.3 Texas Instruments Automotive Micro-electromechanical System (MEMS)

Sensors Product and Services

2.2.4 Texas Instruments Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.2.5 Texas Instruments Recent Developments/Updates

2.3 STMicroelectronics

2.3.1 STMicroelectronics Details

2.3.2 STMicroelectronics Major Business

2.3.3 STMicroelectronics Automotive Micro-electromechanical System (MEMS)

Sensors Product and Services

2.3.4 STMicroelectronics Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.3.5 STMicroelectronics Recent Developments/Updates

2.4 Panasonic

2.4.1 Panasonic Details

2.4.2 Panasonic Major Business

2.4.3 Panasonic Automotive Micro-electromechanical System (MEMS) Sensors

Product and Services

2.4.4 Panasonic Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.4.5 Panasonic Recent Developments/Updates

2.5 Robert Bosch

2.5.1 Robert Bosch Details

2.5.2 Robert Bosch Major Business

2.5.3 Robert Bosch Automotive Micro-electromechanical System (MEMS) Sensors

Product and Services

2.5.4 Robert Bosch Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.5.5 Robert Bosch Recent Developments/Updates

2.6 Infineon Technologies

2.6.1 Infineon Technologies Details

2.6.2 Infineon Technologies Major Business

2.6.3 Infineon Technologies Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

2.6.4 Infineon Technologies Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.6.5 Infineon Technologies Recent Developments/Updates

2.7 Denso

2.7.1 Denso Details

2.7.2 Denso Major Business

2.7.3 Denso Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

2.7.4 Denso Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.7.5 Denso Recent Developments/Updates

2.8 Analog Devices

2.8.1 Analog Devices Details

2.8.2 Analog Devices Major Business

2.8.3 Analog Devices Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

2.8.4 Analog Devices Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.8.5 Analog Devices Recent Developments/Updates

2.9 TDK

2.9.1 TDK Details

2.9.2 TDK Major Business

2.9.3 TDK Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

2.9.4 TDK Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

2.9.5 TDK Recent Developments/Updates

2.10 NXP Semiconductors

2.10.1 NXP Semiconductors Details

2.10.2 NXP Semiconductors Major Business

2.10.3 NXP Semiconductors Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

2.10.4 NXP Semiconductors Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)

- 2.10.5 NXP Semiconductors Recent Developments/Updates
- 2.11 Allegro MicroSystems
 - 2.11.1 Allegro MicroSystems Details
 - 2.11.2 Allegro MicroSystems Major Business
 - 2.11.3 Allegro MicroSystems Automotive Micro-electromechanical System (MEMS) Sensors Product and Services
 - 2.11.4 Allegro MicroSystems Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2018-2023)
 - 2.11.5 Allegro MicroSystems Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE MICRO-ELECTROMECHANICAL SYSTEM (MEMS) SENSORS BY MANUFACTURER

- 3.1 Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Manufacturer (2018-2023)
- 3.2 Global Automotive Micro-electromechanical System (MEMS) Sensors Revenue by Manufacturer (2018-2023)
- 3.3 Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Manufacturer (2018-2023)
- 3.4 Market Share Analysis (2022)
 - 3.4.1 Producer Shipments of Automotive Micro-electromechanical System (MEMS) Sensors by Manufacturer Revenue (\$MM) and Market Share (%): 2022
 - 3.4.2 Top 3 Automotive Micro-electromechanical System (MEMS) Sensors Manufacturer Market Share in 2022
 - 3.4.2 Top 6 Automotive Micro-electromechanical System (MEMS) Sensors Manufacturer Market Share in 2022
- 3.5 Automotive Micro-electromechanical System (MEMS) Sensors Market: Overall Company Footprint Analysis
 - 3.5.1 Automotive Micro-electromechanical System (MEMS) Sensors Market: Region Footprint
 - 3.5.2 Automotive Micro-electromechanical System (MEMS) Sensors Market: Company Product Type Footprint
 - 3.5.3 Automotive Micro-electromechanical System (MEMS) 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 Micro-electromechanical System (MEMS) Sensors Market Size by Region

4.1.1 Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Region (2018-2029)

4.1.2 Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Region (2018-2029)

4.1.3 Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Region (2018-2029)

4.2 North America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029)

4.3 Europe Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029)

4.4 Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029)

4.5 South America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029)

4.6 Middle East and Africa Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029)

5 MARKET SEGMENT BY TYPE

5.1 Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2029)

5.2 Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Type (2018-2029)

5.3 Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Type (2018-2029)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2029)

6.2 Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Application (2018-2029)

6.3 Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Application (2018-2029)

7 NORTH AMERICA

7.1 North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2029)

7.2 North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2029)

7.3 North America Automotive Micro-electromechanical System (MEMS) Sensors Market Size by Country

7.3.1 North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2018-2029)

7.3.2 North America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Country (2018-2029)

7.3.3 United States Market Size and Forecast (2018-2029)

7.3.4 Canada Market Size and Forecast (2018-2029)

7.3.5 Mexico Market Size and Forecast (2018-2029)

8 EUROPE

8.1 Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2029)

8.2 Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2029)

8.3 Europe Automotive Micro-electromechanical System (MEMS) Sensors Market Size by Country

8.3.1 Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2018-2029)

8.3.2 Europe Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Country (2018-2029)

8.3.3 Germany Market Size and Forecast (2018-2029)

8.3.4 France Market Size and Forecast (2018-2029)

8.3.5 United Kingdom Market Size and Forecast (2018-2029)

8.3.6 Russia Market Size and Forecast (2018-2029)

8.3.7 Italy Market Size and Forecast (2018-2029)

9 ASIA-PACIFIC

9.1 Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2029)

9.2 Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2029)

9.3 Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Market Size by Region

9.3.1 Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Region (2018-2029)

9.3.2 Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Region (2018-2029)

9.3.3 China Market Size and Forecast (2018-2029)

9.3.4 Japan Market Size and Forecast (2018-2029)

9.3.5 Korea Market Size and Forecast (2018-2029)

9.3.6 India Market Size and Forecast (2018-2029)

9.3.7 Southeast Asia Market Size and Forecast (2018-2029)

9.3.8 Australia Market Size and Forecast (2018-2029)

10 SOUTH AMERICA

10.1 South America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2029)

10.2 South America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2029)

10.3 South America Automotive Micro-electromechanical System (MEMS) Sensors Market Size by Country

10.3.1 South America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2018-2029)

10.3.2 South America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Country (2018-2029)

10.3.3 Brazil Market Size and Forecast (2018-2029)

10.3.4 Argentina Market Size and Forecast (2018-2029)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2029)

11.2 Middle East & Africa Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2029)

11.3 Middle East & Africa Automotive Micro-electromechanical System (MEMS) Sensors Market Size by Country

11.3.1 Middle East & Africa Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2018-2029)

11.3.2 Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Consumption Value by Country (2018-2029)

11.3.3 Turkey Market Size and Forecast (2018-2029)

11.3.4 Egypt Market Size and Forecast (2018-2029)

11.3.5 Saudi Arabia Market Size and Forecast (2018-2029)

11.3.6 South Africa Market Size and Forecast (2018-2029)

12 MARKET DYNAMICS

12.1 Automotive Micro-electromechanical System (MEMS) Sensors Market Drivers

12.2 Automotive Micro-electromechanical System (MEMS) Sensors Market Restraints

12.3 Automotive Micro-electromechanical System (MEMS) 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

12.5 Influence of COVID-19 and Russia-Ukraine War

12.5.1 Influence of COVID-19

12.5.2 Influence of Russia-Ukraine War

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Automotive Micro-electromechanical System (MEMS) Sensors and Key Manufacturers

13.2 Manufacturing Costs Percentage of Automotive Micro-electromechanical System (MEMS) Sensors

13.3 Automotive Micro-electromechanical System (MEMS) Sensors Production Process

13.4 Automotive Micro-electromechanical System (MEMS) 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 Micro-electromechanical System (MEMS) Sensors Typical Distributors

14.3 Automotive Micro-electromechanical System (MEMS) Sensors Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Type, (USD Million), 2018 & 2022 & 2029

Table 2. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Application, (USD Million), 2018 & 2022 & 2029

Table 3. Sensata Technologies Basic Information, Manufacturing Base and Competitors

Table 4. Sensata Technologies Major Business

Table 5. Sensata Technologies Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

Table 6. Sensata Technologies Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 7. Sensata Technologies Recent Developments/Updates

Table 8. Texas Instruments Basic Information, Manufacturing Base and Competitors

Table 9. Texas Instruments Major Business

Table 10. Texas Instruments Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

Table 11. Texas Instruments Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 12. Texas Instruments Recent Developments/Updates

Table 13. STMicroelectronics Basic Information, Manufacturing Base and Competitors

Table 14. STMicroelectronics Major Business

Table 15. STMicroelectronics Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

Table 16. STMicroelectronics Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 17. STMicroelectronics Recent Developments/Updates

Table 18. Panasonic Basic Information, Manufacturing Base and Competitors

Table 19. Panasonic Major Business

Table 20. Panasonic Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

Table 21. Panasonic Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 22. Panasonic Recent Developments/Updates
Table 23. Robert Bosch Basic Information, Manufacturing Base and Competitors
Table 24. Robert Bosch Major Business
Table 25. Robert Bosch Automotive Micro-electromechanical System (MEMS) Sensors Product and Services
Table 26. Robert Bosch Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 27. Robert Bosch Recent Developments/Updates
Table 28. Infineon Technologies Basic Information, Manufacturing Base and Competitors
Table 29. Infineon Technologies Major Business
Table 30. Infineon Technologies Automotive Micro-electromechanical System (MEMS) Sensors Product and Services
Table 31. Infineon Technologies Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 32. Infineon Technologies Recent Developments/Updates
Table 33. Denso Basic Information, Manufacturing Base and Competitors
Table 34. Denso Major Business
Table 35. Denso Automotive Micro-electromechanical System (MEMS) Sensors Product and Services
Table 36. Denso Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 37. Denso Recent Developments/Updates
Table 38. Analog Devices Basic Information, Manufacturing Base and Competitors
Table 39. Analog Devices Major Business
Table 40. Analog Devices Automotive Micro-electromechanical System (MEMS) Sensors Product and Services
Table 41. Analog Devices Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)
Table 42. Analog Devices Recent Developments/Updates
Table 43. TDK Basic Information, Manufacturing Base and Competitors
Table 44. TDK Major Business
Table 45. TDK Automotive Micro-electromechanical System (MEMS) Sensors Product and Services
Table 46. TDK Automotive Micro-electromechanical System (MEMS) Sensors Sales

Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 47. TDK Recent Developments/Updates

Table 48. NXP Semiconductors Basic Information, Manufacturing Base and Competitors

Table 49. NXP Semiconductors Major Business

Table 50. NXP Semiconductors Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

Table 51. NXP Semiconductors Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 52. NXP Semiconductors Recent Developments/Updates

Table 53. Allegro MicroSystems Basic Information, Manufacturing Base and Competitors

Table 54. Allegro MicroSystems Major Business

Table 55. Allegro MicroSystems Automotive Micro-electromechanical System (MEMS) Sensors Product and Services

Table 56. Allegro MicroSystems Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2018-2023)

Table 57. Allegro MicroSystems Recent Developments/Updates

Table 58. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Manufacturer (2018-2023) & (K Units)

Table 59. Global Automotive Micro-electromechanical System (MEMS) Sensors Revenue by Manufacturer (2018-2023) & (USD Million)

Table 60. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Manufacturer (2018-2023) & (USD/Unit)

Table 61. Market Position of Manufacturers in Automotive Micro-electromechanical System (MEMS) Sensors, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2022

Table 62. Head Office and Automotive Micro-electromechanical System (MEMS) Sensors Production Site of Key Manufacturer

Table 63. Automotive Micro-electromechanical System (MEMS) Sensors Market: Company Product Type Footprint

Table 64. Automotive Micro-electromechanical System (MEMS) Sensors Market: Company Product Application Footprint

Table 65. Automotive Micro-electromechanical System (MEMS) Sensors New Market Entrants and Barriers to Market Entry

Table 66. Automotive Micro-electromechanical System (MEMS) Sensors Mergers,

Acquisition, Agreements, and Collaborations

Table 67. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Region (2018-2023) & (K Units)

Table 68. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Region (2024-2029) & (K Units)

Table 69. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Region (2018-2023) & (USD Million)

Table 70. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Region (2024-2029) & (USD Million)

Table 71. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Region (2018-2023) & (USD/Unit)

Table 72. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Region (2024-2029) & (USD/Unit)

Table 73. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2023) & (K Units)

Table 74. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2024-2029) & (K Units)

Table 75. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Type (2018-2023) & (USD Million)

Table 76. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Type (2024-2029) & (USD Million)

Table 77. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Type (2018-2023) & (USD/Unit)

Table 78. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Type (2024-2029) & (USD/Unit)

Table 79. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2023) & (K Units)

Table 80. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2024-2029) & (K Units)

Table 81. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Application (2018-2023) & (USD Million)

Table 82. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Application (2024-2029) & (USD Million)

Table 83. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Application (2018-2023) & (USD/Unit)

Table 84. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Application (2024-2029) & (USD/Unit)

Table 85. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2023) & (K Units)

Table 86. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2024-2029) & (K Units)

Table 87. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2023) & (K Units)

Table 88. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2024-2029) & (K Units)

Table 89. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2018-2023) & (K Units)

Table 90. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2024-2029) & (K Units)

Table 91. North America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Country (2018-2023) & (USD Million)

Table 92. North America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Country (2024-2029) & (USD Million)

Table 93. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2023) & (K Units)

Table 94. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2024-2029) & (K Units)

Table 95. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2023) & (K Units)

Table 96. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2024-2029) & (K Units)

Table 97. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2018-2023) & (K Units)

Table 98. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Country (2024-2029) & (K Units)

Table 99. Europe Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Country (2018-2023) & (USD Million)

Table 100. Europe Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Country (2024-2029) & (USD Million)

Table 101. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2018-2023) & (K Units)

Table 102. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Type (2024-2029) & (K Units)

Table 103. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2018-2023) & (K Units)

Table 104. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity by Application (2024-2029) & (K Units)

Table 105. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors

Sales Quantity by Region (2018-2023) & (K Units)

Table 106. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors

Sales Quantity by Region (2024-2029) & (K Units)

Table 107. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors

Consumption Value by Region (2018-2023) & (USD Million)

Table 108. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors

Consumption Value by Region (2024-2029) & (USD Million)

Table 109. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Type (2018-2023) & (K Units)

Table 110. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Type (2024-2029) & (K Units)

Table 111. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Application (2018-2023) & (K Units)

Table 112. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Application (2024-2029) & (K Units)

Table 113. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Country (2018-2023) & (K Units)

Table 114. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Country (2024-2029) & (K Units)

Table 115. South America Automotive Micro-electromechanical System (MEMS)

Sensors Consumption Value by Country (2018-2023) & (USD Million)

Table 116. South America Automotive Micro-electromechanical System (MEMS)

Sensors Consumption Value by Country (2024-2029) & (USD Million)

Table 117. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Type (2018-2023) & (K Units)

Table 118. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Type (2024-2029) & (K Units)

Table 119. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Application (2018-2023) & (K Units)

Table 120. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Application (2024-2029) & (K Units)

Table 121. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Region (2018-2023) & (K Units)

Table 122. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity by Region (2024-2029) & (K Units)

Table 123. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Consumption Value by Region (2018-2023) & (USD Million)

Table 124. Middle East & Africa Automotive Micro-electromechanical System (MEMS)

Sensors Consumption Value by Region (2024-2029) & (USD Million)

Table 125. Automotive Micro-electromechanical System (MEMS) Sensors Raw Material

Table 126. Key Manufacturers of Automotive Micro-electromechanical System (MEMS) Sensors Raw Materials

Table 127. Automotive Micro-electromechanical System (MEMS) Sensors Typical Distributors

Table 128. Automotive Micro-electromechanical System (MEMS) Sensors Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Automotive Micro-electromechanical System (MEMS) Sensors Picture
- Figure 2. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Type, (USD Million), 2018 & 2022 & 2029
- Figure 3. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Type in 2022
- Figure 4. MEMS Pressure Sensor Examples
- Figure 5. MEMS Inertial Sensor Examples
- Figure 6. MEMS Gas Sensors Examples
- Figure 7. Others Examples
- Figure 8. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value by Application, (USD Million), 2018 & 2022 & 2029
- Figure 9. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Application in 2022
- Figure 10. Industrial Examples
- Figure 11. Chemical Examples
- Figure 12. Commercial Examples
- Figure 13. Infotainment Examples
- Figure 14. Others Examples
- Figure 15. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value, (USD Million): 2018 & 2022 & 2029
- Figure 16. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Forecast (2018-2029) & (USD Million)
- Figure 17. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity (2018-2029) & (K Units)
- Figure 18. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price (2018-2029) & (USD/Unit)
- Figure 19. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Manufacturer in 2022
- Figure 20. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Manufacturer in 2022
- Figure 21. Producer Shipments of Automotive Micro-electromechanical System (MEMS) Sensors by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2021
- Figure 22. Top 3 Automotive Micro-electromechanical System (MEMS) Sensors Manufacturer (Consumption Value) Market Share in 2022
- Figure 23. Top 6 Automotive Micro-electromechanical System (MEMS) Sensors

Manufacturer (Consumption Value) Market Share in 2022

Figure 24. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Region (2018-2029)

Figure 25. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Region (2018-2029)

Figure 26. North America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029) & (USD Million)

Figure 27. Europe Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029) & (USD Million)

Figure 28. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029) & (USD Million)

Figure 29. South America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029) & (USD Million)

Figure 30. Middle East & Africa Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value (2018-2029) & (USD Million)

Figure 31. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Type (2018-2029)

Figure 32. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Type (2018-2029)

Figure 33. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Type (2018-2029) & (USD/Unit)

Figure 34. Global Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Application (2018-2029)

Figure 35. Global Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Application (2018-2029)

Figure 36. Global Automotive Micro-electromechanical System (MEMS) Sensors Average Price by Application (2018-2029) & (USD/Unit)

Figure 37. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Type (2018-2029)

Figure 38. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Application (2018-2029)

Figure 39. North America Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Country (2018-2029)

Figure 40. North America Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Country (2018-2029)

Figure 41. United States Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 42. Canada Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 43. Mexico Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 44. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Type (2018-2029)

Figure 45. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Application (2018-2029)

Figure 46. Europe Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Country (2018-2029)

Figure 47. Europe Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Country (2018-2029)

Figure 48. Germany Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 49. France Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 50. United Kingdom Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 51. Russia Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 52. Italy Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 53. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Type (2018-2029)

Figure 54. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Application (2018-2029)

Figure 55. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Sales Quantity Market Share by Region (2018-2029)

Figure 56. Asia-Pacific Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value Market Share by Region (2018-2029)

Figure 57. China Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 58. Japan Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 59. Korea Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 60. India Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 61. Southeast Asia Automotive Micro-electromechanical System (MEMS) Sensors Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 62. Australia Automotive Micro-electromechanical System (MEMS) Sensors

Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 63. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity Market Share by Type (2018-2029)

Figure 64. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity Market Share by Application (2018-2029)

Figure 65. South America Automotive Micro-electromechanical System (MEMS)

Sensors Sales Quantity Market Share by Country (2018-2029)

Figure 66. South America Automotive Micro-electromechanical System (MEMS)

Sensors Consumption Value Market Share by Country (2018-2029)

Figure 67. Brazil Automotive Micro-electromechanical System (MEMS) Sensors
Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 68. Argentina Automotive Micro-electromechanical System (MEMS) Sensors
Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 69. Middle East & Africa Automotive Micro-electromechanical System (MEMS)
Sensors Sales Quantity Market Share by Type (2018-2029)

Figure 70. Middle East & Africa Automotive Micro-electromechanical System (MEMS)
Sensors Sales Quantity Market Share by Application (2018-2029)

Figure 71. Middle East & Africa Automotive Micro-electromechanical System (MEMS)
Sensors Sales Quantity Market Share by Region (2018-2029)

Figure 72. Middle East & Africa Automotive Micro-electromechanical System (MEMS)
Sensors Consumption Value Market Share by Region (2018-2029)

Figure 73. Turkey Automotive Micro-electromechanical System (MEMS) Sensors
Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 74. Egypt Automotive Micro-electromechanical System (MEMS) Sensors
Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 75. Saudi Arabia Automotive Micro-electromechanical System (MEMS) Sensors
Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 76. South Africa Automotive Micro-electromechanical System (MEMS) Sensors
Consumption Value and Growth Rate (2018-2029) & (USD Million)

Figure 77. Automotive Micro-electromechanical System (MEMS) Sensors Market
Drivers

Figure 78. Automotive Micro-electromechanical System (MEMS) Sensors Market
Restraints

Figure 79. Automotive Micro-electromechanical System (MEMS) Sensors Market
Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of Automotive Micro-
electromechanical System (MEMS) Sensors in 2022

Figure 82. Manufacturing Process Analysis of Automotive Micro-electromechanical

System (MEMS) Sensors

Figure 83. Automotive Micro-electromechanical System (MEMS) Sensors Industrial Chain

Figure 84. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

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