

# Global MEMS Acoustic Sensors Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## **Abstracts**

According to our (Global Info Research) latest study, the global MEMS Acoustic Sensors market size was valued at USD 2055.1 million in 2023 and is forecast to a readjusted size of USD 4204.3 million by 2030 with a CAGR of 10.8% during review period.

MEMS Acoustic Sensor is a tiny device that employs a pressure-sensitive diaphragm etched on a semiconductor, generally less than 1 millimeter, that can be incorporated directly onto an electronic chip and commonly uses a small thin membrane fabricated on the chip to detect sound. A MEMS microphone is composed by a diaphragm vibrating between two holed back-plates.

MEMS Acoustic Sensor is a tiny device that employs a pressure-sensitive diaphragm etched on a semiconductor, generally less than 1 millimeter, that can be incorporated directly onto an electronic chip and commonly uses a small thin membrane fabricated on the chip to detect sound. A MEMS microphone is composed by a diaphragm vibrating between two holed back-plates. MEMS microphones target all audio applications where small size, high sound quality, reliability and affordability are key requirements. Infineon is the world's largest manufacturer of MEMS acoustic sensors, accounting for more than 32.11%. Other major manufacturers include Knowles, Goertek, and STMicroelectronics. In terms of product types, MEMS acoustic sensors are the first market segment of MEMS acoustic sensors, accounting for 62.81%. MESE acoustic sensors are the most widely used in the field of consumer electronics, with a proportion as high as 80.11%.

The Global Info Research report includes an overview of the development of the MEMS



Acoustic Sensors industry chain, the market status of Consumer Electronics (Analog MEMS Acoustic Sensors, Digital MEMS Acoustic Sensors), Automotive Electronics (Analog MEMS Acoustic Sensors, Digital MEMS Acoustic Sensors), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of MEMS Acoustic Sensors.

Regionally, the report analyzes the MEMS Acoustic Sensors markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global MEMS Acoustic Sensors market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the MEMS Acoustic Sensors market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the MEMS Acoustic Sensors industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Analog MEMS Acoustic Sensors, Digital MEMS Acoustic Sensors).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the MEMS Acoustic Sensors market.

Regional Analysis: The report involves examining the MEMS Acoustic Sensors market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the MEMS Acoustic Sensors market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.



The report also involves a more granular approach to MEMS Acoustic Sensors:

Company Analysis: Report covers individual MEMS Acoustic Sensors manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards MEMS Acoustic Sensors This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Consumer Electronics, Automotive Electronics).

Technology Analysis: Report covers specific technologies relevant to MEMS Acoustic Sensors. It assesses the current state, advancements, and potential future developments in MEMS Acoustic Sensors areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the MEMS Acoustic Sensors market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

MEMS Acoustic Sensors market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Analog MEMS Acoustic Sensors

Digital MEMS Acoustic Sensors

Market segment by Application



Consumer Electronics
Automotive Electronics
Medical Electronics
Industrial Electronics
Major players covered
Infineon Technologies
Knowles
Goertek
TDK
STMicroelectronics
AAC Technologies
Zilltek Technology
MEMSensing
Nisshinbo Micro Devices Inc. (NISD)
Gettop
NeoMEMS
Hosiden
Akustica (Bosch)
MERRY



BSE
Sanico Electronics
Sonion
Vesper Technologies
SinoVision SensTech
3S
CUI Devices
Aoi Electronics
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 MEMS Acoustic Sensors product scope, market overview, market estimation caveats and base year.
Chapter 2, to profile the top manufacturers of MEMS Acoustic Sensors, with price,

sales, revenue and global market share of MEMS Acoustic Sensors from 2019 to 2024.



Chapter 3, the MEMS Acoustic Sensors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the MEMS Acoustic Sensors breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and MEMS Acoustic Sensors market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of MEMS Acoustic Sensors.

Chapter 14 and 15, to describe MEMS Acoustic Sensors sales channel, distributors, customers, research findings and conclusion.



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