

Global MEMS Microphones 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 Microphones market size was valued at USD 1645.8 million in 2023 and is forecast to a readjusted size of USD 2479.4 million by 2030 with a CAGR of 6.0% during review period.

A MEMS microphone is a tiny device that employs a pressure-sensitive diaphragm etched on a semiconductor, generally less than 5 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.

Asia-Pacific is the largest market with about 60% market share. Europe and North America are follower, accounting for about 33% market share.

The key players are Knowles, ST Microelectronics, BSE, TDK, Cirrus Logic, Hosiden, Bosch (Akustica), Sanico Electronics, 3S, Goertek, AAC, MEMSensing, NeoMEMS, Gettop etc. Top 3 companies occupied about 72% market share.

The Global Info Research report includes an overview of the development of the MEMS Microphones industry chain, the market status of Household (Capacitive Microphones, Piezoresistive Microphones), Commercial (Capacitive Microphones, Piezoresistive Microphones), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of MEMS

Microphones.

Regionally, the report analyzes the MEMS Microphones 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 Microphones market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the MEMS Microphones 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 Microphones 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., Capacitive Microphones, Piezoresistive Microphones).

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 Microphones market.

Regional Analysis: The report involves examining the MEMS Microphones 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 Microphones 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 Microphones:

Company Analysis: Report covers individual MEMS Microphones 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 Microphones. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Household, Commercial).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the MEMS Microphones 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 Microphones 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

Capacitive Microphones

Piezoresistive Microphones

Piezoelectric Microphones

Optical Microphones

FET Microphones

Market segment by Application

Household

Commercial

Major players covered

Advanced Semiconductor Engineering(ASE Group)

Akustica

Aac Technologies

Amkor Technology

Analog Devices

Delphi Technologies

Epcos

Fortemedia

Infineon Technologies

JL World

Knowles Acoustics

Memstech

National Semiconductor

Samsung Electronics

Sonion

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 Microphones product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of MEMS Microphones, with price, sales, revenue and global market share of MEMS Microphones from 2019 to 2024.

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

Chapter 4, the MEMS Microphones 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 Microphones 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 Microphones.

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

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