

Global MEMS Acoustic Sensors Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global MEMS Acoustic Sensors market size is expected to reach \$ 4204.3 million by 2029, rising at a market growth of 10.8% CAGR during the forecast period (2023-2029).

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%.

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.

This report studies the global MEMS Acoustic Sensors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for MEMS Acoustic Sensors, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of MEMS Acoustic Sensors that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global MEMS Acoustic Sensors total production and demand, 2018-2029, (K Units)

Global MEMS Acoustic Sensors total production value, 2018-2029, (USD Million)

Global MEMS Acoustic Sensors production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global MEMS Acoustic Sensors consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: MEMS Acoustic Sensors domestic production, consumption, key domestic manufacturers and share

Global MEMS Acoustic Sensors production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global MEMS Acoustic Sensors production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global MEMS Acoustic Sensors production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global MEMS Acoustic 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 Infineon Technologies, Knowles, Goertek, TDK, STMicroelectronics, AAC Technologies, Zilltek Technology, MEMSensing and Nisshinbo Micro Devices Inc. (NISD), etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World MEMS Acoustic Sensors market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/K Units) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global MEMS Acoustic Sensors Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global MEMS Acoustic Sensors Market, Segmentation by Type

Analog MEMS Acoustic Sensors

Digital MEMS Acoustic Sensors

Global MEMS Acoustic Sensors Market, Segmentation by Application

Consumer Electronics

Automotive Electronics

Medical Electronics

Industrial Electronics

Companies Profiled:

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

Key Questions Answered

1. How big is the global MEMS Acoustic Sensors market?
2. What is the demand of the global MEMS Acoustic Sensors market?
3. What is the year over year growth of the global MEMS Acoustic Sensors market?
4. What is the production and production value of the global MEMS Acoustic Sensors market?
5. Who are the key producers in the global MEMS Acoustic Sensors market?
6. What are the growth factors driving the market demand?

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