

MEMS Microphones Market Report by Signal Type (Analog, Digital), Technology (Capacitive, Piezoelectric), Application (Mobile Phones, Hearing Aids, IoT and VR, Consumer Electronics, and Others), and Region 2024-2032

<https://marketpublishers.com/r/ME99E505FA47EN.html>

Date: March 2024

Pages: 139

Price: US\$ 3,899.00 (Single User License)

ID: ME99E505FA47EN

Abstracts

The global MEMS microphones market size reached US\$ 2.0 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.9 Billion by 2032, exhibiting a growth rate (CAGR) of 9.9% during 2024-2032.

Micro-electro-mechanical system (MEMS) microphones are electro-acoustic transducers containing MEMS sensors and application-specific integrated circuits (ASIC) in a single package to provide high-fidelity acoustic sensing. They exhibit low power consumption and high sensitivity, offer a high signal-to-noise ratio (SNR), and are available in compact packages that are compatible with surface mount assembly processes. MEMS microphones are widely used in the internet of things (IoT) and virtual reality (VR) devices, hearing aids, smartphones, and other consumer electronics, such as televisions, smart speakers, earbuds, smartwatches, and headsets. As compared to electret condenser microphones (ECM), MEMS microphones are cost-effective, reduce unwanted noise, are less susceptible to electrical interference, and offer low output impedance and temperature stability.

MEMS Microphones Market Trends:

The increasing demand for advanced consumer electronics across the globe is creating a positive outlook for the market. MEMS microphones are extensively used in smart devices and wearables for activating noise cancellation and providing stereo capabilities, voice recognition, and voice recording features. Furthermore, rising product demand in the automotive industry for beamforming, infotainment systems, and engine

diagnosis is acting as another growth-inducing factor. Additionally, the introduction of piezoelectric MEMS microphones that are waterproof, dustproof, particle-resistant, shockproof, and can withstand high temperatures is providing an impetus to market growth. Moreover, widespread product utilization in the healthcare industry in neonatal care, cardiac surgery, emergency alarm, and medical telemetry to remotely monitor patients' pulse and respiration rates is positively influencing the market growth. Other factors, including the rising geriatric population with hearing impairment and increasing product utilization in industrial applications, such as sound power testing, general sound measurement, and noise source testing, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global MEMS microphones market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on signal type, technology and application.

Breakup by Signal Type:

- Analog
- Digital

Breakup by Technology:

- Capacitive
- Piezoelectric

Breakup by Application:

- Mobile Phones
- Hearing Aids
- IoT and VR
- Consumer Electronics
- Others

Breakup by Region:

- North America
- United States

Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AAC Technologies Holdings Inc, Best Sound Electronics (BSE), DB Unlimited, GoerTek Inc., Hosiden Corporation, Infineon Technologies AG, Knowles Electronics LLC, STMicroelectronics, TDK Corporation and Vesper Technologies Inc.

Key Questions Answered in This Report

1. What was the size of the global MEMS microphones market in 2023?
2. What is the expected growth rate of the global MEMS microphones market during 2024-2032?
3. What are the key factors driving the global MEMS microphones market?
4. What has been the impact of COVID-19 on the global MEMS microphones market?
5. What is the breakup of the global MEMS microphones market based on the signal type?

6. What is the breakup of the global MEMS microphones market based on the technology?
7. What is the breakup of the global MEMS microphones market based on application?
8. What are the key regions in the global MEMS microphones market?
9. Who are the key players/companies in the global MEMS microphones market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL MEMS MICROPHONES MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY SIGNAL TYPE

- 6.1 Analog
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Digital
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY TECHNOLOGY

7.1 Capacitive

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Piezoelectric

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

8.1 Mobile Phones

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Hearing Aids

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 IoT and VR

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Consumer Electronics

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Others

8.5.1 Market Trends

8.5.2 Market Forecast

9 MARKET BREAKUP BY REGION

9.1 North America

9.1.1 United States

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Canada

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.2 Asia-Pacific

9.2.1 China

9.2.1.1 Market Trends

- 9.2.1.2 Market Forecast
- 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
- 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others

9.3.7.1 Market Trends

9.3.7.2 Market Forecast

9.4 Latin America

9.4.1 Brazil

9.4.1.1 Market Trends

9.4.1.2 Market Forecast

9.4.2 Mexico

9.4.2.1 Market Trends

9.4.2.2 Market Forecast

9.4.3 Others

9.4.3.1 Market Trends

9.4.3.2 Market Forecast

9.5 Middle East and Africa

9.5.1 Market Trends

9.5.2 Market Breakup by Country

9.5.3 Market Forecast

10 SWOT ANALYSIS

10.1 Overview

10.2 Strengths

10.3 Weaknesses

10.4 Opportunities

10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

12.1 Overview

12.2 Bargaining Power of Buyers

12.3 Bargaining Power of Suppliers

12.4 Degree of Competition

12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

14.1 Market Structure

14.2 Key Players

14.3 Profiles of Key Players

14.3.1 AAC Technologies Holdings Inc

14.3.1.1 Company Overview

14.3.1.2 Product Portfolio

14.3.2 Best Sound Electronics (BSE)

14.3.2.1 Company Overview

14.3.2.2 Product Portfolio

14.3.3 DB Unlimited

14.3.3.1 Company Overview

14.3.3.2 Product Portfolio

14.3.4 GoerTek Inc.

14.3.4.1 Company Overview

14.3.4.2 Product Portfolio

14.3.4.3 Financials

14.3.5 Hosiden Corporation

14.3.5.1 Company Overview

14.3.5.2 Product Portfolio

14.3.5.3 Financials

14.3.6 Infineon Technologies AG

14.3.6.1 Company Overview

14.3.6.2 Product Portfolio

14.3.6.3 Financials

14.3.6.4 SWOT Analysis

14.3.7 Knowles Electronics LLC

14.3.7.1 Company Overview

14.3.7.2 Product Portfolio

14.3.7.3 Financials

14.3.8 STMicroelectronics

14.3.8.1 Company Overview

14.3.8.2 Product Portfolio

14.3.8.3 Financials

14.3.8.4 SWOT Analysis

14.3.9 TDK Corporation

14.3.9.1 Company Overview

14.3.9.2 Product Portfolio

14.3.9.3 Financials

14.3.9.4 SWOT Analysis

14.3.10 Vesper Technologies Inc.

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

List Of Tables

LIST OF TABLES

Table 1: Global: MEMS Microphones Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: MEMS Microphones Market Forecast: Breakup by Signal Type (in Million US\$), 2024-2032

Table 3: Global: MEMS Microphones Market Forecast: Breakup by Technology (in Million US\$), 2024-2032

Table 4: Global: MEMS Microphones Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 5: Global: MEMS Microphones Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: MEMS Microphones Market: Competitive Structure

Table 7: Global: MEMS Microphones Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: MEMS Microphones Market: Major Drivers and Challenges
- Figure 2: Global: MEMS Microphones Market: Sales Value (in Billion US\$), 2018-2023
- Figure 3: Global: MEMS Microphones Market Forecast: Sales Value (in Billion US\$), 2024-2032
- Figure 4: Global: MEMS Microphones Market: Breakup by Signal Type (in %), 2023
- Figure 5: Global: MEMS Microphones Market: Breakup by Technology (in %), 2023
- Figure 6: Global: MEMS Microphones Market: Breakup by Application (in %), 2023
- Figure 7: Global: MEMS Microphones Market: Breakup by Region (in %), 2023
- Figure 8: Global: MEMS Microphones (Analog) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 9: Global: MEMS Microphones (Analog) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 10: Global: MEMS Microphones (Digital) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 11: Global: MEMS Microphones (Digital) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 12: Global: MEMS Microphones (Capacitive) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 13: Global: MEMS Microphones (Capacitive) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 14: Global: MEMS Microphones (Piezoelectric) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 15: Global: MEMS Microphones (Piezoelectric) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 16: Global: MEMS Microphones (Mobile Phones) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 17: Global: MEMS Microphones (Mobile Phones) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 18: Global: MEMS Microphones (Hearing Aids) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 19: Global: MEMS Microphones (Hearing Aids) Market Forecast: Sales Value (in Million US\$), 2024-2032
- Figure 20: Global: MEMS Microphones (IoT and VR) Market: Sales Value (in Million US\$), 2018 & 2023
- Figure 21: Global: MEMS Microphones (IoT and VR) Market Forecast: Sales Value (in

Million US\$), 2024-2032

Figure 22: Global: MEMS Microphones (Consumer Electronics) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: MEMS Microphones (Consumer Electronics) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: MEMS Microphones (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: MEMS Microphones (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: North America: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: North America: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: United States: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: United States: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Canada: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Canada: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: Asia-Pacific: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: Asia-Pacific: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: China: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: China: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Japan: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Japan: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: India: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: India: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: South Korea: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: South Korea: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: Australia: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: Australia: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: Indonesia: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: Indonesia: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Others: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Others: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Europe: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Europe: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Germany: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Germany: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: France: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: France: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: United Kingdom: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: United Kingdom: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: Italy: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Italy: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: Spain: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: Spain: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Russia: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Russia: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Others: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Others: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Latin America: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Latin America: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Brazil: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Brazil: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Mexico: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Mexico: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Others: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Others: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Middle East and Africa: MEMS Microphones Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Middle East and Africa: MEMS Microphones Market: Breakup by Country (in %), 2023

Figure 74: Middle East and Africa: MEMS Microphones Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Global: MEMS Microphones Industry: SWOT Analysis

Figure 76: Global: MEMS Microphones Industry: Value Chain Analysis

Figure 77: Global: MEMS Microphones Industry: Porter's Five Forces Analysis

I would like to order

Product name: MEMS Microphones Market Report by Signal Type (Analog, Digital), Technology (Capacitive, Piezoelectric), Application (Mobile Phones, Hearing Aids, IoT and VR, Consumer Electronics, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/ME99E505FA47EN.html>

Price: US\$ 3,899.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/ME99E505FA47EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970