

# Global Bio-MEMS Market 2024 by Company, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G831EA2434C3EN.html>

Date: January 2024

Pages: 113

Price: US\$ 3,480.00 (Single User License)

ID: G831EA2434C3EN

## Abstracts

According to our (Global Info Research) latest study, the global Bio-MEMS market size was valued at USD 4884.9 million in 2023 and is forecast to a readjusted size of USD 8900 million by 2030 with a CAGR of 8.9% during review period.

Bio-MEMS is an abbreviation for biomedical (or biological) microelectromechanical systems. Bio-MEMS have considerable overlap, and is sometimes considered synonymous, with lab-on-a-chip (LOC) and micro total analysis systems (?TAS). Bio-MEMS is typically more focused on mechanical parts and microfabrication technologies made suitable for biological applications. On the other hand, lab-on-a-chip is concerned with miniaturization and integration of laboratory processes and experiments into single (often microfluidic) chips.

Global key players of Bio-MEMS include Danaher, Thermo Fisher Scientific and Roche, etc. Global top three manufacturers hold a share over 40%. North America is the largest market of Bio-MEMS, with a share over 50%, followed by Europe and Asia-Pacific.

The Global Info Research report includes an overview of the development of the Bio-MEMS industry chain, the market status of In Vitro Devices (Biochip, MEMS Biosensor), In Vivo Devices (Biochip, MEMS Biosensor), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Bio-MEMS.

Regionally, the report analyzes the Bio-MEMS 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 Bio-MEMS market, with robust domestic demand, supportive policies, and a strong

manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Bio-MEMS 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 Bio-MEMS 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 revenue generated, and market share of different by Type (e.g., Biochip, MEMS Biosensor).

**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 Bio-MEMS market.

**Regional Analysis:** The report involves examining the Bio-MEMS 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 Bio-MEMS market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Bio-MEMS:

**Company Analysis:** Report covers individual Bio-MEMS players, 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 Bio-MEMS This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (In Vitro Devices, In Vivo Devices).

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

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Bio-MEMS 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

Bio-MEMS 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 value.

#### Market segment by Type

Biochip

MEMS Biosensor

Others

#### Market segment by Application

In Vitro Devices

In Vivo Devices

#### Market segment by players, this report covers

Danaher

Thermo Fisher Scientific

Roche

Illumina

Abbott Laboratories

PerkinElmer

Agilent Technologies

Bio-Rad Laboratories

Amphenol

TE Connectivity

bioMérieux (BioFire)

Merit Medical

Standard BioTools

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Bio-MEMS product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Bio-MEMS, with revenue, gross margin and global market share of Bio-MEMS from 2019 to 2024.

Chapter 3, the Bio-MEMS competitive situation, revenue and global market share of top players are analyzed emphatically by landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2019 to 2030.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2019 to 2024. and Bio-MEMS market forecast, by regions, type and application, with consumption value, from 2025 to 2030.

Chapter 11, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 12, the key raw materials and key suppliers, and industry chain of Bio-MEMS.

Chapter 13, to describe Bio-MEMS research findings and conclusion.

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