

BioMEMS Devices – A Global Market Overview

The report reviews, analyzes and projects the global market for BioMEMS Devices for the period 2012-2022

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SUMMARY

BioMEMS devices deployed in hospitals and healthcare facilities are primarily focused on medical screening and diagnostic applications, such as devices that measure point-of-care parameters. Wearable devices that facilitate and assure continuous monitoring without hampering a user's freedom of movement are being bolstered through new opportunities offered by innovative sensors for human biomedical signal acquisition coupled with wireless connectivity and low power solutions. In addition, greater attention is being accorded to diagnostic MEMS sensors that can assist in performing critical functions, such as cholesterol monitoring, pregnancy monitoring, food allergy detection and DNA analyses. Sensor technologies in several cases provide crucial outcomes and form a major element in the process of assisting in decision-making before obtaining formal clinical intervention and care.

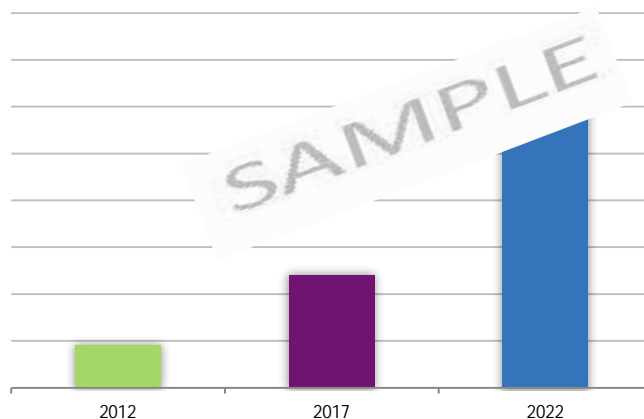
Over the coming years, the functionality of BioMEMS devices/sensor technologies and derivative solutions will maintain an upward trend, which can be attributed to the declining cost of sensor technologies and progressions in infrastructural and information and communications technologies that would cause sensor data to be efficiently aggregated, processed, stored and visualized. Other factors propelling the rate of development in BioMEMS technologies include increasing demand for understanding and managing personal health and well-being and monitoring of environmental conditions. BioMEMS devices of the future are likely to have greater selectivity and sensitivity, in addition to greater stability and capability in identifying and classifying events that would enable in preventing false alarms.

BioMEMS devices applications analyzed in this report include Home Care Devices, In Vitro Diagnostics, Medical Devices and Pharmaceutical & Biological Research. The global markets for these applications analyzed in terms of USD. Home Care Devices expected to be the fastest growing application of BioMEMS devices with a robust CAGR of 37.4% between 2016 and 2022 and touches US\$1 billion mark by 2022. In Vitro Diagnostics estimated the largest application of BioMEMS devices in US\$1.7 billion in 2016 while Pharmaceutical & Biological Research follows closely with US\$1.3 billion in the same year.

The report reviews, analyses and projects the BioMEMS devices applications market for global and the regional markets including North America, Europe, Asia-Pacific and Rest of World. The regional markets further analyzed for 13 independent countries across North America – The United States, Canada and Mexico; Europe – France, Germany, Italy, Spain, Switzerland and the United Kingdom; Asia-Pacific – China, India, Japan and South Korea; Rest of World – Middle East and South America.

This 178 page global market research report includes 100 charts (includes a data table and graphical representation for each chart), supported with meaningful and easy to understand graphical presentation, of market numbers. This report profiles 18 key global players and 21 major players across North America – 12; Europe – 6; and Asia-Pacific – 3. The research also provides the listing of the companies engaged in research and development, manufacturing and supply of BioMEMS devices. The global list of companies covers addresses, contact numbers and the website addresses of 161 companies.

Global BioMEMS Devices Market Overview (2012-2022)
in USD Million



SAMPLE COMPANY PROFILE

ALL SENSORS CORPORATION (UNITED STATES)

16035 Vineyard Boulevard, Morgan Hill, CA 95037
 United States
 Phone: 408 225 4314
 Fax: 408-225-2079
 Website: www.allsensors.com

Business Overview:

One of the leading producers in pressure sensing technology, All Sensors Corporation is headquartered in Silicon Valley, California. Established in 1999, the company is engaged in exclusively manufacturing pressure sensors and pressure transducers that have applications in the medical, industrial and heating, ventilating and air conditioning (HVAC) sectors. All Sensors Corporation handles its operations in different regions through its subsidiaries including All Sensors GmbH, located in Germany and All Sensors Asia Pacific K.K., situated in Japan. The company distributes its products globally through AITech Solution (Japan), Brabek (Pty) Ltd, BS-rep GmbH (Europe), Gitronics Inc (Israel), Cutter Electronics (Australia), Baystar Electrumment, Inc. (China), Digi-Key Electronics (United States) and Mouser Electronics, Inc. (United States).

Product Portfolio:

All Sensors Corporation offers pressure sensors in four different types including basic output (uncompensated sensor), mV output (compensated sensor), amplified output, and digital output. The company has been providing original equipment manufacturers with pressure sensors for various applications in hospital and portable ventilators, oxygen concentrators and oxygen therapy and in variety of medical products. The below mentioned company offerings differ in pressure range and supply voltage options. These sensors are based on the company's proprietary technology, CoBeam2™, that aids in reducing package stress susceptibility and improved long term stability and "Dual Die Reference technology" to reduce all output offset or common mode errors.

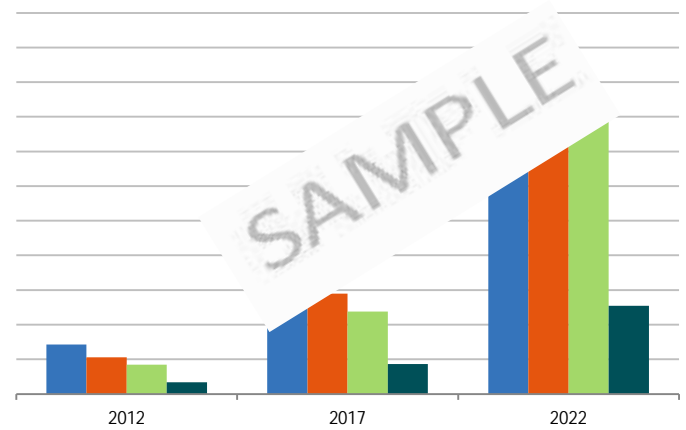
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SAMPLE TABLE/CHART

Glance at 2017 Global BioMEMS Devices Market Share (%) by Application – Home Care Devices, In Vitro Diagnostics, Medical Devices and Pharmaceutical & Biological Research



Global BioMEMS Devices Market Analysis (2012-2022) by Geographic Region – North America, Europe, Asia-Pacific and Rest of World in USD Million



KEY PLAYERS PROFILED

- All Sensors Corporation
- Analog Devices Inc
- Bluechip Ltd
- Capitalbio Corporation
- Debiotech S.A.
- First Sensor AG
- Freescale Semiconductor, Inc.
- Honeywell International Inc
- Integrated Sensing Systems, Inc
- Knowles Corporation
- Micralyne Inc.
- Omron Corporation
- Perkinelmer Inc.
- Silicon Microstructures, Inc.
- St. Jude Medical, Inc.
- Stmicroelectronics
- TE Connectivity Ltd
- Teledyne Technologies Incorporated

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