

MEMS Gyroscope Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-07-05 | 145 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$2499.00
- Five User Licence \$3499.00
- Enterprisewide License \$4499.00

Report description:

Market Overview:

The global MEMS gyroscope market size reached US\$ 1.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.8 Billion by 2028, exhibiting a growth rate (CAGR) of 5.7% during 2023-2028.

The micro-electro-mechanical system, or MEMS gyroscope, is a mechanical device used for measuring angular velocity and navigation. It operates on the principle of conservation of momentum and consists of a free-rotating disk mounted onto a spinning axis in the center of a larger and more stable wheel. The device is utilized in consumer electronics, automotive airbag systems, gaming consoles, virtual reality (VR) and robotics. In digital cameras, it aids in capturing high-resolution images with intricate details. Apart from this, the integration of gyroscopes with the MEMS technology has enabled the development of miniaturized sensors, which use microscopic vibrating mechanisms to detect changes in the orientation and velocity.

The growing electronics industry across the globe is among the key factors driving the market growth. Furthermore, the increasing utilization of smart and portable devices, such as smartphones, tablets and laptops, that use MEMS gyroscope for precise motion-sensing is also acting as a growth-inducing factor. Additionally, owing to various favorable properties, such as low-weight, cost-efficiency, compact size and minimal energy consumption, the device is extensively used in inertial navigation of automobiles, sailing boats, aircrafts, consumer electronic products, military missiles and satellites. Moreover, extensive research and development (R&D) to improve the stability of MEMS gyroscope for finding applications in targeting and pointing instruments is also impacting the market growth positively. Other factors, including the growing adoption of wearable devices and the increasing automation in industries and residential complexes, are projected to drive the market further.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

IMARC Group's latest report provides a deep insight into the global MEMS gyroscope market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the MEMS gyroscope industry in any manner.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global MEMS gyroscope market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, application and end-use industry.

Breakup by Type:

- Turning Fork
- Vibrating Disk
- Vibrating Ring
- Others

Based on the type, turning fork segment currently account for the highest market share.

Breakup by Application:

- Mobile Devices
- Cameras and Camcorders
- Gaming Consoles
- Others

Based on the application, mobile devices currently account for majority of the market share.

Breakup by End-Use Industry:

- Consumer Electronics
- Automotive
- Aerospace and Defense
- Industrial
- Marine
- Others

Based on the end-use industry, consumer electronics currently account for the highest market share.

Breakup by Region:

- Asia Pacific
- China
- Japan
- India

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
North America
United States
Canada
Middle East and Africa
Turkey
Saudi Arabia
Iran
United Arab Emirates
Others
Latin America
Brazil
Mexico
Argentina
Colombia
Others

On the geographical front, Asia Pacific currently represents the biggest market for MEMS gyroscope.

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Analog Devices Inc., Seiko Epson Corporation, Honeywell International Inc., InvenSense Inc., Maxim Integrated Products, Inc., MEMSIC Inc., Murata Manufacturing Co. Ltd., NXP Semiconductors Co. Ltd., Panasonic Corporation, Robert Bosch GmbH, ROHM Co, Ltd., Sony Corporation, STMicroelectronics International N.V., Systron Donner Inertial, Inc., Trimble Inc., etc.

Key Questions Answered in This Report:

How has the global MEMS gyroscope market performed so far and how will it perform in the coming years?

What are the key regional markets in the global MEMS gyroscope industry?

What has been the impact of COVID-19 on the global MEMS gyroscope industry?

What is the breakup of the market based on the type?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end-use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the market?

What is the structure of the global MEMS gyroscope industry and who are the key players?

What is the degree of competition in the market?

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Table of 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 Gyroscope Market
 - 5.1 Market Overview
 - 5.2 Market Performance
 - 5.3 Impact of COVID-19
 - 5.4 Market Forecast
- 6 Market Breakup by Type
 - 6.1 Turning Fork
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
 - 6.2 Vibrating Disk
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
 - 6.3 Vibrating Ring
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
 - 6.4 Others
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 7 Market Breakup by Application
 - 7.1 Mobile Devices
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Cameras and Camcorders
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
 - 7.3 Gaming Consoles
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
 - 7.4 Others
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

8 Market Breakup by End-Use Industry

8.1 Consumer Electronics

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 Automotive

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Aerospace and Defense

8.3.1 Market Trends

8.3.2 Market Forecast

8.4 Industrial

8.4.1 Market Trends

8.4.2 Market Forecast

8.5 Marine

8.5.1 Market Trends

8.5.2 Market Forecast

8.6 Others

8.6.1 Market Trends

8.6.2 Market Forecast

9 Market Breakup by Region

9.1 Asia Pacific

9.1.1 China

9.1.1.1 Market Trends

9.1.1.2 Market Forecast

9.1.2 Japan

9.1.2.1 Market Trends

9.1.2.2 Market Forecast

9.1.3 India

9.1.3.1 Market Trends

9.1.3.2 Market Forecast

9.1.4 South Korea

9.1.4.1 Market Trends

9.1.4.2 Market Forecast

9.1.5 Australia

9.1.5.1 Market Trends

9.1.5.2 Market Forecast

9.1.6 Indonesia

9.1.6.1 Market Trends

9.1.6.2 Market Forecast

9.1.7 Others

9.1.7.1 Market Trends

9.1.7.2 Market Forecast

9.2 Europe

9.2.1 Germany

9.2.1.1 Market Trends

9.2.1.2 Market Forecast

9.2.2 France

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
- 9.2.3 United Kingdom
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
- 9.2.4 Italy
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Spain
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Russia
 - 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 North America
 - 9.3.1 United States
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 Canada
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
- 9.4 Middle East and Africa
 - 9.4.1 Turkey
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Saudi Arabia
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Iran
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
 - 9.4.4 United Arab Emirates
 - 9.4.4.1 Market Trends
 - 9.4.4.2 Market Forecast
 - 9.4.5 Others
 - 9.4.5.1 Market Trends
 - 9.4.5.2 Market Forecast
- 9.5 Latin America
 - 9.5.1 Brazil
 - 9.5.1.1 Market Trends
 - 9.5.1.2 Market Forecast
 - 9.5.2 Mexico
 - 9.5.2.1 Market Trends
 - 9.5.2.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.5.3 Argentina
 - 9.5.3.1 Market Trends
 - 9.5.3.2 Market Forecast
- 9.5.4 Colombia
 - 9.5.4.1 Market Trends
 - 9.5.4.2 Market Forecast
- 9.5.5 Others
 - 9.5.5.1 Market Trends
 - 9.5.5.2 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 Analog Devices Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 Seiko Epson Corporation
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.2.3 Financials
 - 14.3.2.4 SWOT Analysis
 - 14.3.3 Honeywell International Inc.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 InvenSense Inc.
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Maxim Integrated Products, Inc.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 14.3.5.1 Company Overview
- 14.3.5.2 Product Portfolio
- 14.3.5.3 Financials
- 14.3.5.4 SWOT Analysis
- 14.3.6 MEMSIC Inc.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
- 14.3.7 Murata Manufacturing Co. Ltd.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.7.3 Financials
 - 14.3.7.4 SWOT Analysis
- 14.3.8 NXP Semiconductors Co. Ltd.
 - 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 Panasonic 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 Robert Bosch GmbH
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 ROHM Co, Ltd.
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 Sony Corporation
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
 - 14.3.12.3 Financials
 - 14.3.12.4 SWOT Analysis
- 14.3.13 STMicroelectronics International N.V.
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio
 - 14.3.13.3 Financials
 - 14.3.13.4 SWOT Analysis
- 14.3.14 Systron Donner Inertial, Inc.
 - 14.3.14.1 Company Overview
 - 14.3.14.2 Product Portfolio
- 14.3.15 Trimble Inc.
 - 14.3.15.1 Company Overview

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

14.3.15.2 Product Portfolio
14.3.15.3 Financials
14.3.15.4 SWOT Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

MEMS Gyroscope Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-07-05 | 145 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$2499.00
	Five User Licence	\$3499.00
	Enterprisewide License	\$4499.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

☐ ** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-05"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com