

Accelerometer and Gyroscope Market to Witness Exponential Growth by 2030

*Accelerometer & Gyroscope Market
Expected to Reach \$4.03 Billion by
2030—Allied Market Research*

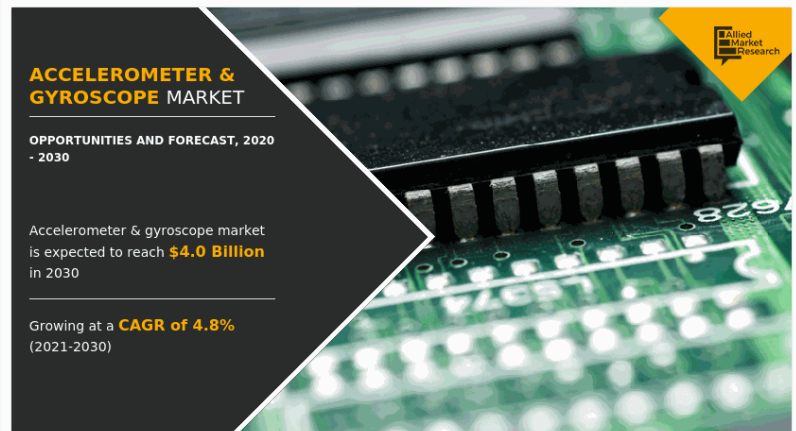
WILMINGTON, DE, UNITED STATES, July 25, 2025 /EINPresswire.com/ -- Allied Market Research, titled "[Accelerometer and Gyroscope Market](#)," The accelerometer and gyroscope market size was valued at \$2.61 billion in 2020, and is estimated to reach \$4.03 billion by 2030, growing at a CAGR of 4.8% from 2021 to 2030. The accelerometer

and gyroscope market in Asia-Pacific is expected to grow at the highest rate during the forecast period, owing to high investments in the automotive and industrial sectors. Moreover, economically developed nations tend to witness high penetration of accelerometer and gyroscope products in healthcare and aerospace & defense, which is projected to significantly contribute toward growth of the market.



Key factors driving market growth include demand for consumer electronics, high military spending, and vehicle rise, while low accuracy limits growth. Autonomous vehicles offer new opportunities."

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Accelerometer and Gyroscope Market

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An accelerometer is a type of sensor that measures the physical acceleration of the device in the free fall in one direction. An accelerometer equipped in modern devices is tri-axial, which has three dedicated units aligned with each direction to measure acceleration along them. The gyroscope senses angular movement along one rotational

direction. In complex systems such as satellites, space vehicles, and missiles, the inertial navigation system is used by a combination of accelerometers and gyroscopes.

Continuously growing defense expenditure across the globe and rising demand from the consumer electronics industry act as the key driving forces of the global accelerometer and

gyroscope market. Moreover, the expansion of the autonomous vehicle sector fuels the market growth. However, the low accuracy of accelerometer and gyroscope sensors acts as a major deterrent factor in the global market. On the contrary, the rise in the adoption of automation in industries & homes and high demand from Asia-Pacific are expected to create lucrative opportunities for the growth of the accelerometer and gyroscope industry shortly.

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Competitive Analysis:

The Accelerometer and Gyroscope industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Some of the major key players in the global Accelerometer and Gyroscope Market include,

Stmicroelectronics N.V.

Robert Bosch Gmbh

Honeywell International Inc.

Tdk Invensense.

Analog Devices Inc.

NXP Semiconductors N.V.

Murata Manufacturing Co. Ltd.

Kionix, Inc

Infineon Technologies Ag,

Northrop Grumman Corporation

Moreover, developing nations tend to witness high penetration of accelerometer and gyroscope products, especially in healthcare and aerospace & defense sectors, which is anticipated to augment the market growth. Factors such as high military spending accelerate the [accelerometer and gyroscope market growth](#).

The global accelerometer and gyroscope market is segmented into type, dimension, industry vertical, and region. By type, the market is classified into accelerometer and gyroscope. Based on dimension, it is segregated into 1-axis, 2-axis, and 3-axis. Depending on the industry vertical, it is categorized into consumer electronics, automotive, aerospace & defense, industrial, healthcare, and others. The accelerometer and gyroscope market forecast is quantitatively analyzed from 2020 to 2030 to benchmark the financial competency. Also, the report provides a detailed accelerometer and gyroscope market analysis based on competitive intensity and how the competition will take shape in the coming years.

Region-wise, the accelerometer and gyroscope market trends have been analyzed across North America, Europe, Asia-Pacific, and LAMEA. Asia-Pacific contributed the maximum revenue in 2020. Also, between 2020 and 2030, the accelerometer and gyroscope market in Asia-Pacific is expected to grow at a faster rate as compared to other regions. This is attributed to an increase in demand from emerging economic countries such as India, China, Japan, Taiwan, and South Korea.

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KEY FINDINGS OF THE STUDY

- The accelerometer segment is projected to be the major type, followed by a gyroscope.
- Asia-Pacific and North America collectively accounted for more than 66% of the accelerometer and gyroscope market share in 2020.
- India is anticipated to witness the highest growth rate during the forecast period.
- The U.S. was the major shareholder in the North American accelerometer and gyroscope market, accounting for approximately 67% share in 2020.
- Depending on the industry vertical, the consumer electronics segment generated the highest revenue in 2020. However, the other segment is expected to witness the highest growth rate in the future.
- Region-wise, the accelerometer and gyroscope market was dominated by Asia-Pacific. Also, Asia-Pacific is expected to witness significant growth in the coming years.

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