

Global Navigation Grade MEMS Accelerometer Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Navigation Grade MEMS Accelerometer market size was valued at US\$ 273 million in 2024 and is forecast to a readjusted size of USD 349 million by 2031 with a CAGR of 3.6% during review period.

Navigation Grade MEMS Accelerometer is a high-precision accelerometer specifically designed for applications that require accurate measurement of acceleration over extended periods, often in dynamic environments. These accelerometers are a key component in inertial navigation systems (INS), where they are used in conjunction with gyroscopes to calculate velocity, position, and orientation by continuously measuring the acceleration forces acting on the system.

This report is a detailed and comprehensive analysis for global Navigation Grade MEMS Accelerometer market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Navigation Grade MEMS Accelerometer market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Navigation Grade MEMS Accelerometer market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Navigation Grade MEMS Accelerometer market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Navigation Grade MEMS Accelerometer market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Navigation Grade MEMS Accelerometer

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Navigation Grade MEMS Accelerometer market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include STMicroelectronics, Bosch, InvenSense, NXP (Freescale), Murata (VTI), ADI, ROHM (Kionix), TDK, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Navigation Grade MEMS Accelerometer market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

1-Axis MEMS Accelerometer

2-Axis MEMS Accelerometer

3-Axis MEMS Accelerometer

Others

Market segment by Application

Automotive

Aerospace

Robotics

Others

Major players covered

STMicroelectronics

Bosch

InvenSense

NXP (Freescale)

Murata (VTI)

ADI

ROHM (Kionix)

TDK

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Navigation Grade MEMS Accelerometer product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Navigation Grade MEMS Accelerometer, with price, sales quantity, revenue, and global market share of Navigation Grade MEMS Accelerometer from 2020 to 2025.

Chapter 3, the Navigation Grade MEMS Accelerometer competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Navigation Grade MEMS Accelerometer breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Navigation Grade MEMS Accelerometer market forecast, by regions, by

Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Navigation Grade MEMS Accelerometer.

Chapter 14 and 15, to describe Navigation Grade MEMS Accelerometer sales channel, distributors, customers, research findings and conclusion.

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