

Force Sensor Market to Expand from \$2.16 Billion in 2019 to \$3.30 Billion by 2027 at a CAGR of 5.30%

WILMINGTON, NEW CASTLE, DE, UNITED STATES, March 7, 2025 /EINPresswire.com/ -- Allied Market Research published an exclusive report, titled, "[Force Sensor Market Size, Share, Competitive Landscape and Trend Analysis Report by Operation, Force Type, Technology and End User : Global Opportunity Analysis and Industry Forecast, 2020-2027](#)".



The force sensor industry in Asia-Pacific is expected to grow at the highest rate during the forecast period, owing to enormous development of manufacturing"

Allied Market Research

The global force sensor market size was valued at \$2.16 billion in 2019, and is projected to reach \$3.30 billion by 2027, registering a CAGR of 5.30% from 2020 to 2027.

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A force sensor is an instrument that measures the amount of force between two surfaces. Force sensors or force

transducers translate an input mechanical force into electrical signal at output. Basically, it works as a force sensing resistor in an electric circuit. These force measurement instruments have varying working principles based on factors considered during designing process. They are used to measure weight, mass, pressure, and torque. These sensors can be used over a wide range of temperature. These are used in industries, such as electronics, robotics, chemical, agricultural sector, paper & print, for various purposes.

Growing adoption and application of force sensors in the manufacturing, construction, and industrial sectors boost the force sensor market growth. In addition, increasing demand for force sensors in the robotics and medical sectors propels the market growth. Moreover, low manufacturing cost, accuracy, and high reliability also drive the market during the forecast period. Furthermore, the factor that restricts the market growth is that force sensors are rigid in construction.

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The force sensor size report offers an in-depth analysis of the 10 prime market players that are active in the market. Moreover, it provides their thorough financial analysis, business strategies,

SWOT profile, business overview, and recently launched products & services. In addition, the report offers recent market developments such as market expansion, mergers & acquisitions, and partnerships & collaborations. The prime market players studied in the report are TE Connectivity Ltd., Honeywell International Inc., ATI Industrial Automation Inc., Tekscan Inc., Sensata Technologies Inc., Siemens AG, Vishay Precision Group, ABB Ltd., Futek Advanced Sensor Technology Inc., and Hottinger Baldwin Messtechnik (HBM) GmbH..

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Report Segmentation:

The force sensor is segmented into operation, force type, technology, end user, and region. The report offers an in-depth study of every segment, which helps market players and stakeholders to understand the fastest growing segments and highest grossing segments in the market.

The force sensor is analyzed across the globe and highlight several factors that affect the performance of the market across the various region including North America (United States, Canada, and Mexico), Europe (Germany, France, UK, Russia, and Italy), Asia-Pacific (China, Japan, Korea, India, and Southeast Asia), South America (Brazil, Argentina, Colombia), Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, and South Africa).

The force sensor report provides thorough information about prime end-users and annual forecast during the period from 2022 to 2030. Moreover, it offers revenue forecast for every year coupled with sales growth of the market. The forecasts are provided by skilled analysts in the market and after an in-depth analysis of the geography of the market. These forecasts are essential for gaining insight into the future prospects of the [force sensor market](#).

The research operandi of the global force sensor includes significant primary as well as secondary research. When the primary methodology encompasses widespread discussion with a plethora of valued participants, the secondary research involves a substantial amount of product/service descriptions. Furthermore, several government sites, industry bulletins, and [press releases](#) have also been properly examined to bring forth high-value industry insights.

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Key Market Insights:

In 2019, analog force sensor accounted for the maximum revenue, and is projected to grow at a notable CAGR of 3.8% during the forecast period.

North America and APAC collectively accounted for more than 58% of the force sensor market share in 2019.

China is anticipated to witness highest growth rate during the global force sensor market forecast.

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- Evaluation of market share for regional and country-level segments.
- Market analysis of top industry players.
- Strategic recommendations for new entrants.
- All mentioned segments, and regional market forecasts for the next 10 years.
- Market Trends (Drivers, Difficulties, Opportunities, Threats, Challenges, Investment Opportunities and Recommendations)
- Strategic recommendations in the main business segment of the market forecast.
- Competitive landscaping of major general trends.
- Company profiling with detailed strategy, financial and recent developments.
- Latest technological progress mapping supply chain trends.

The market study further promotes a sustainable market scenario on the basis of key product offerings. On the other hand, Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network. The report provides an explicit global force sensor breakdown and exemplifies how the opposition will take shape in the new few years to come. Rendering the top ten industry players functional in the market, the study emphasizes on the policies & approaches integrated by them to retain their foothold in the industry.

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We are in professional corporate relations with various companies, and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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