

Global Fiber Optic Angular Velocity Sensors Market Growth 2024-2030

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Abstracts

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A Fiber optic angular velocity sensor senses changes in orientation using the Sagnac effect, thus performing the function of a mechanical gyroscope. However its principle of operation is instead based on the interference of light which has passed through a coil of optical fibre, which can be as long as 5 kilometres.

The global Fiber Optic Angular Velocity Sensors market size is projected to grow from US\$ 1474.2 million in 2023 to US\$ 2593.2 million in 2030; it is expected to grow at a CAGR of 8.4% from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Fiber Optic Angular Velocity Sensors Industry Forecast" looks at past sales and reviews total world Fiber Optic Angular Velocity Sensors sales in 2023, providing a comprehensive analysis by region and market sector of projected Fiber Optic Angular Velocity Sensors sales for 2024 through 2030. With Fiber Optic Angular Velocity Sensors sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Fiber Optic Angular Velocity Sensors industry.

This Insight Report provides a comprehensive analysis of the global Fiber Optic Angular Velocity Sensors landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Fiber Optic Angular Velocity Sensors portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Fiber Optic Angular Velocity Sensors market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Fiber Optic Angular Velocity Sensors and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Fiber Optic Angular Velocity Sensors.

Fiber-optic gyroscopes (FOGs) are used in a variety of critical applications, including navigation and positioning solutions, angular rate sensors, stabilization devices, and most recently, autonomous vehicle guidance backups for navigating areas where GPS cannot reach. Fiber optic gyroscopes are expected to be a key component of inertial indicators that determine how driverless cars navigate corners. In addition to increasing defense budgets in some developed and developing countries, the surge in automation in residential and industry is the major factor driving the demand for fiber optic gyroscopes. Other variables contributing to this growth include broad population base, surge in R&D activities, rapid industrialization, and heavy spending on sensor advancements. There is an increasing demand for smart sensor devices for satellite dish positioning, navigation and other applications. Another factor driving the demand for this market is the growing popularity and advancement of the concept of remotely operated vehicles and implementation of fiber optic gyro measurements during drilling in the oil industry.

This report presents a comprehensive overview, market shares, and growth opportunities of Fiber Optic Angular Velocity Sensors market by product type, application, key manufacturers and key regions and countries.

Segmentation by type

Single-Axis

Multi-Axis

Segmentation by application

Aviation and Space

Ship and Submarine

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

Northrop Grumman

KVH Industries

Safran

Honeywell

Kearfott

AVIC

Optolink

IXblue

L3 Harris

Fizoptika CJSC

JAE

Emcore

Civitanavi

Mitsubishi Precision

Key Questions Addressed in this Report

What is the 10-year outlook for the global Fiber Optic Angular Velocity Sensors market?

What factors are driving Fiber Optic Angular Velocity Sensors market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Fiber Optic Angular Velocity Sensors market opportunities vary by end market size?

How does Fiber Optic Angular Velocity Sensors break out type, application?

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