

# Global Rotary Angle Sensors Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Rotary Angle Sensors market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Rotary angle sensors change physical phenomenon into a quantity measurable by data acquisition system, hence it is a key part of any measurement and automation application. The rotation that is to be measured is connected to the motion of a slider that causes changes in the resistance that the sensor circuit converts in output voltage. Moreover, the rotary angle sensors are much more durable since they have high rotational life characteristics. The market for rotary angle sensors is expected to contribute the highest growth rate during the period of forecast. These sensors measure the rotational or angular movement of an object. Rotary angle sensors measure the rotational or angular movement of an object. Rotary angle sensors is expected to lead the global position sensors market with the fulling factors such as expanded use of position sensors in a vehicle, increasing trend of industrial automation and many more.

The rotary angle sensors are primarily driven by the increasing industrial automation. The industrial automation is implemented in different industries like automotive, aerospace, electronics, healthcare and packaging which are fulling the demand of rotary angle sensors market. Increasing use of rotary angle sensors in automobiles sectors is also fulling the demand of rotary angle sensors market globally. The sensor is used in providing electrical outputs relative to shaft rotation so as to measure the angles precisely. In automotive industries these sensor are used in gear position, steering wheel position, throttle position and pedal position. Another major driver of this market is the adoption of rotary angle sensor in aerospace industries. In aerospace industries

these sensors are used for automation in the aerospace industries.

The Global Info Research report includes an overview of the development of the Rotary Angle Sensors industry chain, the market status of Motion Test (Rotary Potentiometer, Resolver), Machine Tools (Rotary Potentiometer, Resolver), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Rotary Angle Sensors.

Regionally, the report analyzes the Rotary Angle Sensors markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Rotary Angle Sensors market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Rotary Angle Sensors market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Rotary Angle Sensors industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Rotary Potentiometer, Resolver).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Rotary Angle Sensors market.

**Regional Analysis:** The report involves examining the Rotary Angle Sensors market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Rotary Angle Sensors market. This may include

estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Rotary Angle Sensors:

**Company Analysis:** Report covers individual Rotary Angle Sensors manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Rotary Angle Sensors. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Motion Test, Machine Tools).

**Technology Analysis:** Report covers specific technologies relevant to Rotary Angle Sensors. It assesses the current state, advancements, and potential future developments in Rotary Angle Sensors areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Rotary Angle Sensors market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Rotary Angle Sensors market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Rotary Potentiometer

Resolver

Rotary Encoder

Rotary Variable Differential Transformer

#### Market segment by Application

Motion Test

Machine Tools

Robotics

Material Handling

Others

#### Major players covered

AMS AG

Hans Turck GmbH Co. and KG

TE Connectivity Ltd

Keyence Corporation

Allegro Microsystems

Novotechnik U.S. Inc.

Honeywell International Inc.

Balluff GmbH

MTS Systems Corporation

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 Rotary Angle Sensors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Rotary Angle Sensors, with price, sales, revenue and global market share of Rotary Angle Sensors from 2019 to 2024.

Chapter 3, the Rotary Angle Sensors competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Rotary Angle Sensors breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Rotary Angle Sensors market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Rotary Angle Sensors.

Chapter 14 and 15, to describe Rotary Angle Sensors sales channel, distributors, customers, research findings and conclusion.

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