

# Global Non-Contact Dynamic Torque Sensor 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 Non-Contact Dynamic Torque Sensor market size was valued at USD 63 million in 2023 and is forecast to a readjusted size of USD 105.1 million by 2030 with a CAGR of 7.5% during review period.

A non-contact dynamic torque sensor, also known as a non-contact rotary torque sensor, is a type of sensor used to measure the torque in rotating shafts without the need for physical contact with the shaft. These sensors typically use non-contact methods such as strain gauges, magnetoelastic materials, or wireless technology to measure the torque without requiring direct contact with the rotating shaft. Non-contact dynamic torque sensors are commonly used in applications where it is impractical or impossible to physically attach a sensor to the rotating shaft, such as high-speed rotating machinery, or in situations where physical contact could interfere with the operation of the equipment.

The key players of Non-Contact Dynamic Torque Sensor include Lorenz Messtechnik, Honeywell and Futek Advanced Sensor Technology, etc. The top three players hold a share over 10%. North America is the largest market, has a share about 36%. In terms of product type, Sensors with Bearings is the largest segment, occupied for a share of about 50%, and for application, and in terms of application, Industrial has a share about 41%.

The Global Info Research report includes an overview of the development of the Non-Contact Dynamic Torque Sensor industry chain, the market status of Automobile (Sensors with Bearings, Bearingless Sensors), Industrial (Sensors with Bearings,

Bearingless Sensors), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Non-Contact Dynamic Torque Sensor.

Regionally, the report analyzes the Non-Contact Dynamic Torque Sensor 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 Non-Contact Dynamic Torque Sensor market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Non-Contact Dynamic Torque Sensor 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 Non-Contact Dynamic Torque Sensor 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., Sensors with Bearings, Bearingless Sensors).

**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 Non-Contact Dynamic Torque Sensor market.

**Regional Analysis:** The report involves examining the Non-Contact Dynamic Torque Sensor 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 Non-Contact Dynamic Torque Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Non-Contact Dynamic Torque

## Sensor:

**Company Analysis:** Report covers individual Non-Contact Dynamic Torque Sensor 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 Non-Contact Dynamic Torque Sensor. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Automobile, Industrial).

**Technology Analysis:** Report covers specific technologies relevant to Non-Contact Dynamic Torque Sensor. It assesses the current state, advancements, and potential future developments in Non-Contact Dynamic Torque Sensor areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Non-Contact Dynamic Torque Sensor 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

Non-Contact Dynamic Torque Sensor 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

Sensors with Bearings

Bearingless Sensors

### Market segment by Application

Automobile

Industrial

Mining Machinery

Ship

Other

#### Major players covered

Lorenz Messtechnik

Honeywell

Futek Advanced Sensor Technology

UNIPULSE Corporation

MinebeaMitsumi Inc.

TE Connectivity

HBM Test and Measurement

NCTE AG

Schaeffler Technologies AG & Co. KG

A&D Company

Magtrol

S. Himmelstein And Company

Mountz Torque

BCM SENSOR

Sensor Technology Ltd

Montronix

Datum Electronics

burster

N-GINERIC

Hefei Natural Intelligent Technology

Shenzhen XJCSENSOR Technology Co., Ltd

Changzhou Right Measurement and control system

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 Non-Contact Dynamic Torque Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Non-Contact Dynamic Torque Sensor,

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with price, sales, revenue and global market share of Non-Contact Dynamic Torque Sensor from 2019 to 2024.

Chapter 3, the Non-Contact Dynamic Torque Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Non-Contact Dynamic Torque Sensor 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 Non-Contact Dynamic Torque Sensor 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 Non-Contact Dynamic Torque Sensor.

Chapter 14 and 15, to describe Non-Contact Dynamic Torque Sensor sales channel, distributors, customers, research findings and conclusion.

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