

# Global Measuring Wheel Encoders Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G48D450A700DEN.html>

Date: May 2026

Pages: 111

Price: US\$ 3,480.00 (Single User License)

ID: G48D450A700DEN

## Abstracts

According to our (Global Info Research) latest study, the global Measuring Wheel Encoders market size was valued at US\$ 319 million in 2025 and is forecast to a readjusted size of US\$ 493 million by 2032 with a CAGR of 6.2% during review period.

A measuring wheel encoder is a motion sensor used to measure linear displacement or velocity. It achieves distance or speed detection by converting the rotational motion of a measuring wheel into a digital signal. This device typically combines a mechanical measuring wheel with a rotary encoder, enabling precise measurements of motion on conveyor belts, production lines, textile equipment, or automated equipment surfaces. Measuring wheel encoders are widely used in industrial automation, packaging machinery, printing equipment, material handling systems, and robotic equipment?any application requiring precise position and velocity measurement. The upstream of the measuring wheel encoder supply chain includes suppliers of photoelectric or magnetic encoder components, precision bearings, electronic circuits, and rubber or polyurethane wheel materials; midstream manufacturers are responsible for assembling and calibrating measuring wheel encoders, integrating sensing technology, signal processing electronics, and durable wheel structures; downstream users include automation equipment manufacturers, packaging machinery companies, printing equipment companies, textile machinery manufacturers, and logistics system integrators?industries requiring high-precision motion measurement equipment. In 2025, global measuring wheel encoder production was approximately 2.14 million units, with an average market price of approximately US\$145 per unit. Manufacturer gross margins typically ranged from 28% to 40%. Global measuring wheel encoder production capacity in 2025 was approximately 2.75 million units.

A measuring wheel encoder is a motion sensor used to measure linear displacement or velocity. It achieves distance or speed detection by converting the rotational motion of a measuring wheel into a digital signal. This device typically combines a mechanical measuring wheel with a rotary encoder, enabling precise measurements of motion on conveyor belts, production lines, textile equipment, or automated equipment surfaces. Measuring wheel encoders are widely used in industrial automation, packaging machinery, printing equipment, material handling systems, and robotic equipment?any application requiring precise position and velocity measurement. The upstream of the measuring wheel encoder supply chain includes suppliers of photoelectric or magnetic encoder components, precision bearings, electronic circuits, and rubber or polyurethane wheel materials; midstream manufacturers are responsible for assembling and calibrating measuring wheel encoders, integrating sensing technology, signal processing electronics, and durable wheel structures; downstream users include automation equipment manufacturers, packaging machinery companies, printing equipment companies, textile machinery manufacturers, and logistics system integrators?industries requiring high-precision motion measurement equipment. In 2025, global measuring wheel encoder production was approximately 2.14 million units, with an average market price of approximately US\$145 per unit. Manufacturer gross margins typically ranged from 28% to 40%. Global measuring wheel encoder production capacity in 2025 was approximately 2.75 million units.

This report is a detailed and comprehensive analysis for global Measuring Wheel Encoders 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 Measuring Wheel Encoders market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Measuring Wheel Encoders market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Measuring Wheel Encoders market size and forecasts, by Type and by

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Global Measuring Wheel Encoders market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### **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 Measuring Wheel Encoders
- 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 Measuring Wheel Encoders 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 SICK, Baumer, Encoder Products Company (EPC), K?bler, Dynapar, Hohner Automation, Reliance, Turck, Wachendorff Automation, Briterencoder, etc.

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

### **Market Segmentation**

Measuring Wheel Encoders market is split by Type and by Application. For the period 2021-2032, 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

Single Wheel

Double Wheel

## Market segment by Encoder Type

Incremental Measuring Wheel Encoder

Absolute Measuring Wheel Encoder

## Market segment by Detection Technology

Magnetic Measuring Wheel Encoder

Optical Measuring Wheel Encoder

## Market segment by Application

Automation and Industrial Equipment

Logistics and Conveying Systems

Printing and Paper Processing

Textile and Film Processing

Other

## Major players covered

SICK

Baumer

Encoder Products Company (EPC)

K?bler

Dynapar

Hohner Automation

Reliance

Turck

Wachendorff Automation

Briterencoder

Sensata Technologies

Hengstler

Trumeter

Connectric

eTesters

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 Measuring Wheel Encoders product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Measuring Wheel Encoders, with price, sales quantity, revenue, and global market share of Measuring Wheel Encoders from 2021 to 2026.

Chapter 3, the Measuring Wheel Encoders competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Measuring Wheel Encoders breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Measuring Wheel Encoders market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Measuring Wheel Encoders.

Chapter 14 and 15, to describe Measuring Wheel Encoders sales channel, distributors, customers, research findings and conclusion.

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