

# **Global Encoder Market 2023-2033 by Encoder Type (Rotary, Linear), Signal Type (Absolute, Incremental), Technology (Optical, Magnetic, Photoelectric, Inductive), Application (Automotive, Electronics, Industrial, Healthcare), and Region: Trend Forecast and Growth Opportunity**

<https://marketpublishers.com/r/G4300728676FEN.html>

Date: January 2024

Pages: 175

Price: US\$ 2,550.00 (Single User License)

ID: G4300728676FEN

## **Abstracts**

Global encoder market will reach \$6.31 billion by 2033, growing by 9.3% annually over 2023-2033. The growth is driven by the increased need for high-level automation across various industries, the surging demand for automobile and consumer electronics, and technological advancements.

Highlighted with 82 tables and 82 figures, this 175-page report “Global Encoder Market 2023-2033 by Encoder Type (Rotary, Linear), Signal Type (Absolute, Incremental), Technology (Optical, Magnetic, Photoelectric, Inductive), Application (Automotive, Electronics, Industrial, Healthcare), and Region: Trend Forecast and Growth Opportunity” is based on comprehensive research of the entire global encoder market and all its sub-segments through extensively detailed classifications. Profound analysis and assessment are generated from premium primary and secondary information sources with inputs derived from industry professionals across the value chain. The report is based on studies on 2021-2023 and provides forecast from 2024 till 2033 with 2023 as the base year. (Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

In-depth qualitative analyses include identification and investigation of the following aspects:

Market Structure

Growth Drivers

Restraints and Challenges

Emerging Product Trends & Market Opportunities

Porter's Fiver Forces

The trend and outlook of global market is forecast in optimistic, balanced, and conservative view by taking into account of COVID-19 and Russia-Ukraine conflict. The balanced (most likely) projection is used to quantify global encoder market in every aspect of the classification from perspectives of Encoder Type, Signal Type, Technology, Application, and Region.

Based on Encoder Type, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2023-2033 included in each section.

Rotary Encoders

Linear Encoders

Based on Signal Type, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2023-2033 included in each section.

Absolute Encoders

Incremental Encoders

By Technology, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2023-2033 included in each section.

Optical Encoders

Magnetic Encoders

Photoelectric Encoders

Inductive Encoders

Other Technologies

By Application, the global market is segmented into the following sub-markets with annual revenue (\$ mn) for 2023-2033 included in each section.

Automotive

Consumer Electronics

Textile

Printing Machinery

Industrial

Healthcare

Food & Beverage

Power

Aerospace

Other Applications

Geographically, the following regions together with the listed national/local markets are fully investigated:

North America (U.S., Canada, and Mexico)

Europe (Germany, UK, France, Spain, Italy, Russia, Rest of Europe; Rest of Europe is further segmented into Netherlands, Switzerland, Poland, Sweden,

Belgium, Austria, Ireland, Norway, Denmark, and Finland)

APAC (Japan, China, South Korea, Australia, India, and Rest of APAC; Rest of APAC is further segmented into Malaysia, Singapore, Indonesia, Thailand, New Zealand, Vietnam, Taiwan, and Philippines)

South America (Brazil, Chile, Argentina, Rest of South America)

MEA (UAE, Saudi Arabia, South Africa, and Rest of MEA)

For each region and country, detailed analysis and annual revenue (\$ mn) are available for 2023-2033. The breakdown of all regional markets by country and the breakdown of each national market by Encoder Type, Technology, and Application over the forecast years are also included.

The report also covers the current competitive scenario and the predicted trend; and profiles key vendors including market leaders and important emerging players.

Selected Key Players:

Balluff Inc.

Baumer Group

Dynapar Corporation (Fortive Corporation)

Elap Srl

Faulhaber Group

Fraba B.V. (Posital Fraba Inc.)

Gurley Precision Instruments

Heidenhain GmbH

Hengstler GmbH

Honeywell International

IFM Electronic GmbH

Kubler Group

Maxon Motor AG

Mitutoyo Corporation

Omron Corporation

Panasonic Corporation

Pepperl+Fuchs International

Pilz GmbH & Co. KG

Renishaw PLC

Rockwell Automation Inc.

Schneider Electric

Sensata Technologies, Inc.

Sick AG

Siko GmbH

Tamagawa Seiki Co.

TE Connectivity

(Please note: The report will be updated before delivery so that the latest historical year is the base year, and the forecast covers at least 5 years over the base year.)

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  - Gurley Precision Instruments
  - Heidenhain GmbH
  - Hengstler GmbH
  - Honeywell International
  - IFM Electronic GmbH
  - Kubler Group



Maxon Motor AG  
Mitutoyo Corporation  
Omron Corporation  
Panasonic Corporation  
Pepperl+Fuchs International  
Pilz GmbH & Co. KG  
Renishaw PLC  
Rockwell Automation Inc.  
Schneider Electric  
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