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Global Inductive Rotary Encoder Market Growth 2025-2031

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Abstracts

The global Inductive Rotary Encoder market size is predicted to grow from US$ 812 million in 2025 to US$ 1139 million in 2031; it is expected to grow at a CAGR of 5.8% from 2025 to 2031.

The inductive rotary encoder is a rotary position sensor based on the principle of electromagnetic induction. By sensing the changes in the rotating magnetic field, it can accurately measure the position and speed of the rotating shaft. The inductive rotary encoder has the advantages of high precision, maintenance-free, and anti-interference, and is widely used in industrial automation, robotics, machine tool control, and measuring instruments. It can not only operate stably in harsh environments, but also provide long-term reliable performance.

United States market for Inductive Rotary Encoder is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Inductive Rotary Encoder is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Inductive Rotary Encoder is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Inductive Rotary Encoder players cover Hans Turck, Sentech, Novanta, POSIC, HEIDENHAIN, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the “Inductive Rotary Encoder

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Industry Forecast" looks at past sales and reviews total world Inductive Rotary Encoder sales in 2024, providing a comprehensive analysis by region and market sector of projected Inductive Rotary Encoder sales for 2025 through 2031. With Inductive Rotary Encoder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Inductive Rotary Encoder industry.

This Insight Report provides a comprehensive analysis of the global Inductive Rotary Encoder 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 Inductive Rotary Encoder portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Inductive Rotary Encoder market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Inductive Rotary Encoder 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 Inductive Rotary Encoder.

This report presents a comprehensive overview, market shares, and growth opportunities of Inductive Rotary Encoder market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Single-Turn Encoder

Multi-Turn Encoder

Segmentation by Application:

Electric Motors

Mobile Device

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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

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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 analysing the company's coverage, product portfolio, its market penetration.

Hans Turck

Sentech

Novanta

POSIC

HEIDENHAIN

Semiment Technology

Newall Electronics

Fraunhofer

AMO Automatisierung Messtechnik Optik

Texas Instruments

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LENZ

FLUX GmbH

Key Questions Addressed in this Report

What is the 10-year outlook for the global Inductive Rotary Encoder market?
What factors are driving Inductive Rotary Encoder market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Inductive Rotary Encoder market opportunities vary by end market size?
How does Inductive Rotary Encoder break out by Type, by Application?

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Application (2026-2031)

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