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Global Linear and Rotary Inductive Encoder Market Growth 2025-2031

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Abstracts

The global Linear and Rotary Inductive Encoder market size is predicted to grow from US$ 1331 million in 2025 to US$ 1879 million in 2031; it is expected to grow at a CAGR of 5.9% from 2025 to 2031.

A linear and rotary inductive encoder is a sensor that uses the principle of inductance to measure linear or rotational displacement. It detects changes in the target position through inductive coupling to achieve precise positioning. Its non-contact measurement method makes it highly reliable and durable in harsh environments.

United States market for Linear and Rotary Inductive 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 Linear and Rotary Inductive 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 Linear and Rotary Inductive 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 Linear and Rotary Inductive 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 “Linear and Rotary Inductive Encoder Industry Forecast” looks at past sales and reviews total world Linear and Rotary Inductive Encoder sales in 2024, providing a comprehensive analysis by region

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and market sector of projected Linear and Rotary Inductive Encoder sales for 2025 through 2031. With Linear and Rotary Inductive Encoder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Linear and Rotary Inductive Encoder industry.

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

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

This report presents a comprehensive overview, market shares, and growth opportunities of Linear and Rotary Inductive 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

Others

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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
  - Russia

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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

LENZ

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Key Questions Addressed in this Report

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

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