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Global Absolute Inductive Encoder Market Growth 2025-2031

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Abstracts

The global Absolute Inductive Encoder market size is predicted to grow from US$ 793 million in 2025 to US$ 1107 million in 2031; it is expected to grow at a CAGR of 5.7% from 2025 to 2031.

An absolute inductive encoder is a high-precision sensor that measures angle or displacement through inductive technology. It can provide a unique absolute value code for each position, ensuring accurate position information is maintained after power failure or restart. This encoder is often used in applications that require high reliability and accuracy, such as industrial automation, robotics, and machine tool control. Absolute inductive encoders can not only work stably in harsh environments, but also have the advantages of strong anti-interference ability and long life.

United States market for Absolute 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 Absolute 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 Absolute 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 Absolute 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 “Absolute Inductive Encoder

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

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

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

This report presents a comprehensive overview, market shares, and growth opportunities of Absolute 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

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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

Key Questions Addressed in this Report

What is the 10-year outlook for the global Absolute Inductive Encoder market?

What factors are driving Absolute Inductive Encoder market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Absolute Inductive Encoder market opportunities vary by end market size?

How does Absolute Inductive Encoder break out by Type, by Application?

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