

Global CNC Machine Encoder Market Growth 2026-2032

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Abstracts

The global CNC Machine Encoder market size is predicted to grow from US\$ 1484 million in 2025 to US\$ 2144 million in 2032; it is expected to grow at a CAGR of 5.5% from 2026 to 2032.

A CNC Machine Encoder is a crucial component in computer numerical control (CNC) machinery. It is a device that converts the physical motion of machine elements, such as the rotation of a spindle or the linear movement of a slide, into digital signals. These digital signals are then fed back to the CNC control system, allowing it to precisely monitor and control the position, speed, and direction of the machine's movements. The encoder provides accurate and real-time information, enabling the CNC machine to operate with high precision and repeatability, which is essential for manufacturing complex parts with tight tolerances in various industries like aerospace, automotive, and machining.

United States market for CNC Machine Encoder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for CNC Machine Encoder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for CNC Machine Encoder is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key CNC Machine Encoder players cover Quantum Devices, Heidenhain, Dynapar, Renishaw, Fagor, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the 'CNC Machine Encoder Industry Forecast' looks at past sales and reviews total world CNC Machine Encoder sales in 2025, providing a comprehensive analysis by region and market sector of projected CNC Machine Encoder sales for 2026 through 2032. With CNC Machine Encoder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world CNC Machine Encoder industry.

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

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

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

Segmentation by Type:

Incremental Encoders

Absolute Encoders

Segmentation by Application:

Position Control

Speed Control

Other

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

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.

Quantum Devices

Heidenhain

Dynapar

Renishaw

Fagor

Changchun Rongde Optics Co., Ltd.(ROUNDSS)

Shanghai Hengxiang Optical Electronics Co., Ltd.

ZS Instruments

Kwangwoo

Lasertex

Sensata Technologies

Key Questions Addressed in this Report

What is the 10-year outlook for the global CNC Machine Encoder market?

What factors are driving CNC Machine Encoder market growth, globally and by region?

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

How do CNC Machine Encoder market opportunities vary by end market size?

How does CNC Machine Encoder break out by Type, by Application?

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