

Global Magnetic Grating Encoder Market Growth 2026-2032

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Abstracts

The global Magnetic Grating Encoder market size is predicted to grow from US\$ million in 2025 to US\$ million in 2032; it is expected to grow at a CAGR of % from 2026 to 2032.

Magnetic grating encoder is a device used to measure the position of rotation or linear motion. It consists of a fixed magnetic gate and a moving magnetic head. A magnetic grating is a magnetic stripe with a certain periodicity, usually made of magnetic materials. The magnetic head is a sensor that can sense changes in the magnetic field on the magnetic gate and convert it into electrical signals.

United States market for Magnetic Grating 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 Magnetic Grating 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 Magnetic Grating 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 Magnetic Grating Encoder players cover Heidenhain, Dynapar, Bogen, RLS, Precizika Metrology, 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 "Magnetic Grating Encoder Industry Forecast" looks at past sales and reviews total world Magnetic Grating Encoder sales in 2025, providing a comprehensive analysis by region and market sector

of projected Magnetic Grating Encoder sales for 2026 through 2032. With Magnetic Grating Encoder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Magnetic Grating Encoder industry.

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

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

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

Segmentation by Type:

Linear Magnetic Grating Encoder

Rotating Magnetic Grating Encoder

Segmentation by Application:

CNC Machine Tools

Robot

Automation Equipment

Medical Equipment

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

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.

Heidenhain

Dynapar

Bogen

RLS

Precizika Metrology

Tamagawa

Baumer

Pepperl+Fuchs

Renishaw

Broadcom

Sensata Technologies

Freudenberg Sealing Technologies

KACO

Bourns

Balluff

TE Connectivity

Hutchinson

Kubler

TR-Electronic

GIVI MISURE

Numerik

MicroE

Mitutoyo

TAMAGAWA SEIKI

Changchun Yuheng Optics

Key Questions Addressed in this Report

What is the 10-year outlook for the global Magnetic Grating Encoder market?

What factors are driving Magnetic Grating Encoder market growth, globally and by region?

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

How do Magnetic Grating Encoder market opportunities vary by end market size?
How does Magnetic Grating Encoder break out by Type, by Application?

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