

# Global Magnetic Encoder Chip Competitive Landscape Professional Research Report 2025

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## Abstracts

### Market Overview

According to DIResearch's in-depth investigation and research, the global Magnetic Encoder Chip market size will reach 301.91 Million USD in 2025 and is projected to reach 431.37 Million USD by 2032, with a CAGR of 5.23% (2025-2032). Notably, the China Magnetic Encoder Chip market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

### Research Summary

A magnetic encoder chip is a semiconductor device used for position sensing in various applications, such as robotics, automotive systems, industrial machinery, and consumer electronics. It utilizes magnetic field sensors to detect the position, speed, and direction of a rotating or linearly moving object. The encoder chip typically consists of Hall effect sensors, magnetoresistive sensors, or other magnetic field sensing elements, along with signal processing circuitry and interface electronics integrated onto a single semiconductor chip. When paired with a magnetically encoded target (such as a magnetic strip or magnetized rotor), the encoder chip detects changes in the magnetic field and generates digital signals representing the position or motion of the target relative to the sensor. Magnetic encoder chips offer advantages such as high accuracy, reliability, and immunity to environmental factors like dust, moisture, and vibration, making them suitable for use in harsh operating conditions. They are commonly used in applications requiring precise position feedback, such as motor control systems, motion control systems, navigation systems, and human-machine interfaces.

The major global manufacturers of Magnetic Encoder Chip include Broadcom, AMS, TE Connectivity, Allegro MicroSystems, Magntek, Asahi Kasei Microdevices, iC-Haus GmbH, Melexis, MultiDimension Technology, SEMIMENT, RLS, Xi'an Zhongke Alpha Electronic Technology, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Magnetic Encoder Chip. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Magnetic Encoder Chip market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Magnetic Encoder Chip market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Magnetic Encoder Chip industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Magnetic Encoder Chip Include:

Broadcom

AMS

TE Connectivity

Allegro MicroSystems

Magntek

Asahi Kasei Microdevices

iC-Haus GmbH

Melexis

MultiDimension Technology

SEMIMENT

RLS

Xi'an Zhongke Alpha Electronic Technology

Magnetic Encoder Chip Product Segment Include:

Magneto-resistive Type

Hall Type

Magnetic Encoder Chip Product Application Include:

Automotive

Medical

Industrial Equipment

Consumer Electronics

Other

## **Chapter Scope**

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