

Global TMR Magnetic Encoders Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GE12460D0274EN.html>

Date: July 2026

Pages: 124

Price: US\$ 3,480.00 (Single User License)

ID: GE12460D0274EN

Abstracts

According to our (Global Info Research) latest study, the global TMR Magnetic Encoders market size was valued at US\$ 106 million in 2025 and is forecast to a readjusted size of US\$ 156 million by 2032 with a CAGR of 5.7% during review period.

A TMR magnetic encoder is a high-precision device for detecting position, angle, and velocity, based on Tunneling Magnetoresistance (TMR) technology. Its core principle involves utilizing TMR magnetic sensors to detect changes in magnetic fields generated by permanent magnets; signal processing circuitry then converts this magnetic field information into output data regarding angle, position, or rotational speed, thereby enabling the precise measurement of rotational or linear motion. Compared to traditional magnetic sensing technologies?such as Hall effect, AMR, and GMR?TMR technology offers superior magnetic field sensitivity, lower power consumption, a better signal-to-noise ratio, and enhanced temperature stability, thereby enabling position detection with higher resolution and greater precision.

In 2025, global sales volume for TMR magnetic encoders is projected to reach 9 million units, with a production capacity of approximately 13 million units. The average selling price is estimated at \$11.50 per unit, with an average gross margin ranging from 30% to 40%.

The upstream segment of the TMR magnetic encoder industry chain primarily comprises suppliers of TMR magnetoresistive sensor chips, magnetic materials (such as NdFeB magnetic rings and magnetic steel), semiconductor wafers, PCBs, and electronic components (such as capacitors and resistors), as well as providers of packaging, testing, and precision machining equipment. The midstream segment

consists of enterprises engaged in the R&D and manufacturing of TMR magnetic encoders; by integrating TMR sensor chips, magnetic rings, signal processing circuits, microcontrollers, and communication interfaces, these companies produce both incremental and absolute magnetic encoder products. The downstream segment features extensive applications across various fields, including industrial robots, collaborative robots (cobots), humanoid robots, servo motors, AGVs/AMRs (autonomous mobile robots), CNC machine tools, semiconductor manufacturing equipment, automotive electronics, medical devices, and industrial automation systems.

Product technology is evolving towards higher resolution, miniaturization, lower power consumption, greater integration, and stronger anti-interference capabilities. TMR sensor chips and signal processing modules are increasingly integrated, enabling ABZ pulse, SSI, I²C, PWM, and industrial bus outputs, improving system compatibility and ease of installation. Magnetic ring design, temperature compensation algorithms, and microprocessor control optimizations ensure encoders maintain high accuracy under high-frequency motion, vibration, and wide-temperature environments. Future development trends include modular design, intelligent condition monitoring, and deep integration with digital twins and industrial control systems.

Global industrial automation, smart manufacturing, and robotics policies are driving the development of the TMR magnetic encoder market. China's 'Made in China 2025,' Europe's Industry 4.0 strategy, Japan's automation upgrade plan, and policies promoting the localization of new energy vehicles and semiconductor equipment all contribute to the demand for high-precision magnetic encoders. Simultaneously, increasingly stringent requirements from enterprises for safe, reliable, and high-precision industrial equipment are pushing TMR magnetic encoders towards higher precision, higher reliability, and greater intelligence.

This report is a detailed and comprehensive analysis for global TMR Magnetic Encoders market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global TMR Magnetic Encoders market size and forecasts, in consumption value (\$

Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global TMR Magnetic Encoders market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global TMR Magnetic Encoders market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global TMR Magnetic Encoders market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for TMR Magnetic Encoders

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global TMR Magnetic Encoders market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Murata Manufacturing, AKM, Allegro MicroSystems, iC-Haus, CONNTEK, MultiDimension Technology, TDK, Posital, Littelfuse, NVE Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

TMR Magnetic Encoders market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This

analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Absolute

Incremental

Market segment by Measurement Method

Rotary

Linear

Market segment by Angle Measurement Accuracy

±0.05°-±0.1°

±0.1°-±1°

±1°

Market segment by Application

Robotics

Industrial Automation

Automotive Electronics

Medical Equipment

Others

Major players covered

Murata Manufacturing

AKM

Allegro MicroSystems

iC-Haus

CONNTEK

MultiDimension Technology

TDK

Posital

Littelfuse

NVE Corporation

Sensitec GmbH

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe TMR Magnetic Encoders product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of TMR Magnetic Encoders, with price, sales quantity, revenue, and global market share of TMR Magnetic Encoders from 2021 to 2026.

Chapter 3, the TMR Magnetic Encoders competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the TMR Magnetic Encoders breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and TMR Magnetic Encoders market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of TMR Magnetic Encoders.

Chapter 14 and 15, to describe TMR Magnetic Encoders sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global TMR Magnetic Encoders Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Absolute

1.3.3 Incremental

1.4 Market Analysis by Measurement Method

1.4.1 Overview: Global TMR Magnetic Encoders Consumption Value by Measurement Method: 2021 Versus 2025 Versus 2032

1.4.2 Rotary

1.4.3 Linear

1.5 Market Analysis by Angle Measurement Accuracy

1.5.1 Overview: Global TMR Magnetic Encoders Consumption Value by Angle Measurement Accuracy: 2021 Versus 2025 Versus 2032

1.5.2 0.05°-0.1°

1.5.3 0.1°-1°

1.5.4 >1°

1.6 Market Analysis by Application

1.6.1 Overview: Global TMR Magnetic Encoders Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Robotics

1.6.3 Industrial Automation

1.6.4 Automotive Electronics

1.6.5 Medical Equipment

1.6.6 Others

1.7 Global TMR Magnetic Encoders Market Size & Forecast

1.7.1 Global TMR Magnetic Encoders Consumption Value (2021 & 2025 & 2032)

1.7.2 Global TMR Magnetic Encoders Sales Quantity (2021-2032)

1.7.3 Global TMR Magnetic Encoders Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 Murata Manufacturing

2.1.1 Murata Manufacturing Details

- 2.1.2 Murata Manufacturing Major Business
- 2.1.3 Murata Manufacturing TMR Magnetic Encoders Product and Services
- 2.1.4 Murata Manufacturing TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Murata Manufacturing Recent Developments/Updates
- 2.2 AKM
 - 2.2.1 AKM Details
 - 2.2.2 AKM Major Business
 - 2.2.3 AKM TMR Magnetic Encoders Product and Services
 - 2.2.4 AKM TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.2.5 AKM Recent Developments/Updates
- 2.3 Allegro MicroSystems
 - 2.3.1 Allegro MicroSystems Details
 - 2.3.2 Allegro MicroSystems Major Business
 - 2.3.3 Allegro MicroSystems TMR Magnetic Encoders Product and Services
 - 2.3.4 Allegro MicroSystems TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.3.5 Allegro MicroSystems Recent Developments/Updates
- 2.4 iC-Haus
 - 2.4.1 iC-Haus Details
 - 2.4.2 iC-Haus Major Business
 - 2.4.3 iC-Haus TMR Magnetic Encoders Product and Services
 - 2.4.4 iC-Haus TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.4.5 iC-Haus Recent Developments/Updates
- 2.5 CONNTEK
 - 2.5.1 CONNTEK Details
 - 2.5.2 CONNTEK Major Business
 - 2.5.3 CONNTEK TMR Magnetic Encoders Product and Services
 - 2.5.4 CONNTEK TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.5.5 CONNTEK Recent Developments/Updates
- 2.6 MultiDimension Technology
 - 2.6.1 MultiDimension Technology Details
 - 2.6.2 MultiDimension Technology Major Business
 - 2.6.3 MultiDimension Technology TMR Magnetic Encoders Product and Services
 - 2.6.4 MultiDimension Technology TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.6.5 MultiDimension Technology Recent Developments/Updates

2.7 TDK

2.7.1 TDK Details

2.7.2 TDK Major Business

2.7.3 TDK TMR Magnetic Encoders Product and Services

2.7.4 TDK TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.7.5 TDK Recent Developments/Updates

2.8 Posital

2.8.1 Posital Details

2.8.2 Posital Major Business

2.8.3 Posital TMR Magnetic Encoders Product and Services

2.8.4 Posital TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.8.5 Posital Recent Developments/Updates

2.9 Littelfuse

2.9.1 Littelfuse Details

2.9.2 Littelfuse Major Business

2.9.3 Littelfuse TMR Magnetic Encoders Product and Services

2.9.4 Littelfuse TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.9.5 Littelfuse Recent Developments/Updates

2.10 NVE Corporation

2.10.1 NVE Corporation Details

2.10.2 NVE Corporation Major Business

2.10.3 NVE Corporation TMR Magnetic Encoders Product and Services

2.10.4 NVE Corporation TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.10.5 NVE Corporation Recent Developments/Updates

2.11 Sensitec GmbH

2.11.1 Sensitec GmbH Details

2.11.2 Sensitec GmbH Major Business

2.11.3 Sensitec GmbH TMR Magnetic Encoders Product and Services

2.11.4 Sensitec GmbH TMR Magnetic Encoders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.11.5 Sensitec GmbH Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: TMR MAGNETIC ENCODERS BY MANUFACTURER

- 3.1 Global TMR Magnetic Encoders Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global TMR Magnetic Encoders Revenue by Manufacturer (2021-2026)
- 3.3 Global TMR Magnetic Encoders Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of TMR Magnetic Encoders by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 TMR Magnetic Encoders Manufacturer Market Share in 2025
 - 3.4.3 Top 6 TMR Magnetic Encoders Manufacturer Market Share in 2025
- 3.5 TMR Magnetic Encoders Market: Overall Company Footprint Analysis
 - 3.5.1 TMR Magnetic Encoders Market: Region Footprint
 - 3.5.2 TMR Magnetic Encoders Market: Company Product Type Footprint
 - 3.5.3 TMR Magnetic Encoders Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global TMR Magnetic Encoders Market Size by Region
 - 4.1.1 Global TMR Magnetic Encoders Sales Quantity by Region (2021-2032)
 - 4.1.2 Global TMR Magnetic Encoders Consumption Value by Region (2021-2032)
 - 4.1.3 Global TMR Magnetic Encoders Average Price by Region (2021-2032)
- 4.2 North America TMR Magnetic Encoders Consumption Value (2021-2032)
- 4.3 Europe TMR Magnetic Encoders Consumption Value (2021-2032)
- 4.4 Asia-Pacific TMR Magnetic Encoders Consumption Value (2021-2032)
- 4.5 South America TMR Magnetic Encoders Consumption Value (2021-2032)
- 4.6 Middle East & Africa TMR Magnetic Encoders Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global TMR Magnetic Encoders Sales Quantity by Type (2021-2032)
- 5.2 Global TMR Magnetic Encoders Consumption Value by Type (2021-2032)
- 5.3 Global TMR Magnetic Encoders Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global TMR Magnetic Encoders Sales Quantity by Application (2021-2032)
- 6.2 Global TMR Magnetic Encoders Consumption Value by Application (2021-2032)
- 6.3 Global TMR Magnetic Encoders Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America TMR Magnetic Encoders Sales Quantity by Type (2021-2032)
- 7.2 North America TMR Magnetic Encoders Sales Quantity by Application (2021-2032)
- 7.3 North America TMR Magnetic Encoders Market Size by Country
 - 7.3.1 North America TMR Magnetic Encoders Sales Quantity by Country (2021-2032)
 - 7.3.2 North America TMR Magnetic Encoders Consumption Value by Country (2021-2032)
 - 7.3.3 United States Market Size and Forecast (2021-2032)
 - 7.3.4 Canada Market Size and Forecast (2021-2032)
 - 7.3.5 Mexico Market Size and Forecast (2021-2032)

8 EUROPE

- 8.1 Europe TMR Magnetic Encoders Sales Quantity by Type (2021-2032)
- 8.2 Europe TMR Magnetic Encoders Sales Quantity by Application (2021-2032)
- 8.3 Europe TMR Magnetic Encoders Market Size by Country
 - 8.3.1 Europe TMR Magnetic Encoders Sales Quantity by Country (2021-2032)
 - 8.3.2 Europe TMR Magnetic Encoders Consumption Value by Country (2021-2032)
 - 8.3.3 Germany Market Size and Forecast (2021-2032)
 - 8.3.4 France Market Size and Forecast (2021-2032)
 - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
 - 8.3.6 Russia Market Size and Forecast (2021-2032)
 - 8.3.7 Italy Market Size and Forecast (2021-2032)

9 ASIA-PACIFIC

- 9.1 Asia-Pacific TMR Magnetic Encoders Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific TMR Magnetic Encoders Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific TMR Magnetic Encoders Market Size by Region
 - 9.3.1 Asia-Pacific TMR Magnetic Encoders Sales Quantity by Region (2021-2032)
 - 9.3.2 Asia-Pacific TMR Magnetic Encoders Consumption Value by Region (2021-2032)
 - 9.3.3 China Market Size and Forecast (2021-2032)
 - 9.3.4 Japan Market Size and Forecast (2021-2032)
 - 9.3.5 South Korea Market Size and Forecast (2021-2032)
 - 9.3.6 India Market Size and Forecast (2021-2032)
 - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

10 SOUTH AMERICA

10.1 South America TMR Magnetic Encoders Sales Quantity by Type (2021-2032)

10.2 South America TMR Magnetic Encoders Sales Quantity by Application (2021-2032)

10.3 South America TMR Magnetic Encoders Market Size by Country

10.3.1 South America TMR Magnetic Encoders Sales Quantity by Country (2021-2032)

10.3.2 South America TMR Magnetic Encoders Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa TMR Magnetic Encoders Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa TMR Magnetic Encoders Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa TMR Magnetic Encoders Market Size by Country

11.3.1 Middle East & Africa TMR Magnetic Encoders Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa TMR Magnetic Encoders Consumption Value by Country (2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

11.3.6 South Africa Market Size and Forecast (2021-2032)

12 MARKET DYNAMICS

12.1 TMR Magnetic Encoders Market Drivers

12.2 TMR Magnetic Encoders Market Restraints

12.3 TMR Magnetic Encoders Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of TMR Magnetic Encoders and Key Manufacturers

13.2 Manufacturing Costs Percentage of TMR Magnetic Encoders

13.3 TMR Magnetic Encoders Production Process

13.4 Industry Value Chain Analysis

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 TMR Magnetic Encoders Typical Distributors

14.3 TMR Magnetic Encoders Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global TMR Magnetic Encoders Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global TMR Magnetic Encoders Consumption Value by Measurement Method, (USD Million), 2021 & 2025 & 2032

Table 3. Global TMR Magnetic Encoders Consumption Value by Angle Measurement Accuracy, (USD Million), 2021 & 2025 & 2032

Table 4. Global TMR Magnetic Encoders Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. Murata Manufacturing Basic Information, Manufacturing Base and Competitors

Table 6. Murata Manufacturing Major Business

Table 7. Murata Manufacturing TMR Magnetic Encoders Product and Services

Table 8. Murata Manufacturing TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. Murata Manufacturing Recent Developments/Updates

Table 10. AKM Basic Information, Manufacturing Base and Competitors

Table 11. AKM Major Business

Table 12. AKM TMR Magnetic Encoders Product and Services

Table 13. AKM TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 14. AKM Recent Developments/Updates

Table 15. Allegro MicroSystems Basic Information, Manufacturing Base and Competitors

Table 16. Allegro MicroSystems Major Business

Table 17. Allegro MicroSystems TMR Magnetic Encoders Product and Services

Table 18. Allegro MicroSystems TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Allegro MicroSystems Recent Developments/Updates

Table 20. iC-Haus Basic Information, Manufacturing Base and Competitors

Table 21. iC-Haus Major Business

Table 22. iC-Haus TMR Magnetic Encoders Product and Services

Table 23. iC-Haus TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. iC-Haus Recent Developments/Updates

Table 25. CONNTEK Basic Information, Manufacturing Base and Competitors

Table 26. CONNTEK Major Business

Table 27. CONNTEK TMR Magnetic Encoders Product and Services

Table 28. CONNTEK TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. CONNTEK Recent Developments/Updates

Table 30. MultiDimension Technology Basic Information, Manufacturing Base and Competitors

Table 31. MultiDimension Technology Major Business

Table 32. MultiDimension Technology TMR Magnetic Encoders Product and Services

Table 33. MultiDimension Technology TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. MultiDimension Technology Recent Developments/Updates

Table 35. TDK Basic Information, Manufacturing Base and Competitors

Table 36. TDK Major Business

Table 37. TDK TMR Magnetic Encoders Product and Services

Table 38. TDK TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. TDK Recent Developments/Updates

Table 40. Posital Basic Information, Manufacturing Base and Competitors

Table 41. Posital Major Business

Table 42. Posital TMR Magnetic Encoders Product and Services

Table 43. Posital TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. Posital Recent Developments/Updates

Table 45. Littelfuse Basic Information, Manufacturing Base and Competitors

Table 46. Littelfuse Major Business

Table 47. Littelfuse TMR Magnetic Encoders Product and Services

Table 48. Littelfuse TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. Littelfuse Recent Developments/Updates

Table 50. NVE Corporation Basic Information, Manufacturing Base and Competitors

Table 51. NVE Corporation Major Business

Table 52. NVE Corporation TMR Magnetic Encoders Product and Services

Table 53. NVE Corporation TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 54. NVE Corporation Recent Developments/Updates

Table 55. Sensitec GmbH Basic Information, Manufacturing Base and Competitors

Table 56. Sensitec GmbH Major Business

Table 57. Sensitec GmbH TMR Magnetic Encoders Product and Services

Table 58. Sensitec GmbH TMR Magnetic Encoders Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 59. Sensitec GmbH Recent Developments/Updates

Table 60. Global TMR Magnetic Encoders Sales Quantity by Manufacturer (2021-2026) & (K Units)

Table 61. Global TMR Magnetic Encoders Revenue by Manufacturer (2021-2026) & (USD Million)

Table 62. Global TMR Magnetic Encoders Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 63. Market Position of Manufacturers in TMR Magnetic Encoders, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 64. Head Office and TMR Magnetic Encoders Production Site of Key Manufacturer

Table 65. TMR Magnetic Encoders Market: Company Product Type Footprint

Table 66. TMR Magnetic Encoders Market: Company Product Application Footprint

Table 67. TMR Magnetic Encoders New Market Entrants and Barriers to Market Entry

Table 68. TMR Magnetic Encoders Mergers, Acquisition, Agreements, and Collaborations

Table 69. Global TMR Magnetic Encoders Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 70. Global TMR Magnetic Encoders Sales Quantity by Region (2021-2026) & (K Units)

Table 71. Global TMR Magnetic Encoders Sales Quantity by Region (2027-2032) & (K Units)

Table 72. Global TMR Magnetic Encoders Consumption Value by Region (2021-2026) & (USD Million)

Table 73. Global TMR Magnetic Encoders Consumption Value by Region (2027-2032) & (USD Million)

Table 74. Global TMR Magnetic Encoders Average Price by Region (2021-2026) & (US\$/Unit)

Table 75. Global TMR Magnetic Encoders Average Price by Region (2027-2032) & (US\$/Unit)

Table 76. Global TMR Magnetic Encoders Sales Quantity by Type (2021-2026) & (K Units)

Table 77. Global TMR Magnetic Encoders Sales Quantity by Type (2027-2032) & (K Units)

Table 78. Global TMR Magnetic Encoders Consumption Value by Type (2021-2026) &

(USD Million)

Table 79. Global TMR Magnetic Encoders Consumption Value by Type (2027-2032) & (USD Million)

Table 80. Global TMR Magnetic Encoders Average Price by Type (2021-2026) & (US\$/Unit)

Table 81. Global TMR Magnetic Encoders Average Price by Type (2027-2032) & (US\$/Unit)

Table 82. Global TMR Magnetic Encoders Sales Quantity by Application (2021-2026) & (K Units)

Table 83. Global TMR Magnetic Encoders Sales Quantity by Application (2027-2032) & (K Units)

Table 84. Global TMR Magnetic Encoders Consumption Value by Application (2021-2026) & (USD Million)

Table 85. Global TMR Magnetic Encoders Consumption Value by Application (2027-2032) & (USD Million)

Table 86. Global TMR Magnetic Encoders Average Price by Application (2021-2026) & (US\$/Unit)

Table 87. Global TMR Magnetic Encoders Average Price by Application (2027-2032) & (US\$/Unit)

Table 88. North America TMR Magnetic Encoders Sales Quantity by Type (2021-2026) & (K Units)

Table 89. North America TMR Magnetic Encoders Sales Quantity by Type (2027-2032) & (K Units)

Table 90. North America TMR Magnetic Encoders Sales Quantity by Application (2021-2026) & (K Units)

Table 91. North America TMR Magnetic Encoders Sales Quantity by Application (2027-2032) & (K Units)

Table 92. North America TMR Magnetic Encoders Sales Quantity by Country (2021-2026) & (K Units)

Table 93. North America TMR Magnetic Encoders Sales Quantity by Country (2027-2032) & (K Units)

Table 94. North America TMR Magnetic Encoders Consumption Value by Country (2021-2026) & (USD Million)

Table 95. North America TMR Magnetic Encoders Consumption Value by Country (2027-2032) & (USD Million)

Table 96. Europe TMR Magnetic Encoders Sales Quantity by Type (2021-2026) & (K Units)

Table 97. Europe TMR Magnetic Encoders Sales Quantity by Type (2027-2032) & (K Units)

Table 98. Europe TMR Magnetic Encoders Sales Quantity by Application (2021-2026) & (K Units)

Table 99. Europe TMR Magnetic Encoders Sales Quantity by Application (2027-2032) & (K Units)

Table 100. Europe TMR Magnetic Encoders Sales Quantity by Country (2021-2026) & (K Units)

Table 101. Europe TMR Magnetic Encoders Sales Quantity by Country (2027-2032) & (K Units)

Table 102. Europe TMR Magnetic Encoders Consumption Value by Country (2021-2026) & (USD Million)

Table 103. Europe TMR Magnetic Encoders Consumption Value by Country (2027-2032) & (USD Million)

Table 104. Asia-Pacific TMR Magnetic Encoders Sales Quantity by Type (2021-2026) & (K Units)

Table 105. Asia-Pacific TMR Magnetic Encoders Sales Quantity by Type (2027-2032) & (K Units)

Table 106. Asia-Pacific TMR Magnetic Encoders Sales Quantity by Application (2021-2026) & (K Units)

Table 107. Asia-Pacific TMR Magnetic Encoders Sales Quantity by Application (2027-2032) & (K Units)

Table 108. Asia-Pacific TMR Magnetic Encoders Sales Quantity by Region (2021-2026) & (K Units)

Table 109. Asia-Pacific TMR Magnetic Encoders Sales Quantity by Region (2027-2032) & (K Units)

Table 110. Asia-Pacific TMR Magnetic Encoders Consumption Value by Region (2021-2026) & (USD Million)

Table 111. Asia-Pacific TMR Magnetic Encoders Consumption Value by Region (2027-2032) & (USD Million)

Table 112. South America TMR Magnetic Encoders Sales Quantity by Type (2021-2026) & (K Units)

Table 113. South America TMR Magnetic Encoders Sales Quantity by Type (2027-2032) & (K Units)

Table 114. South America TMR Magnetic Encoders Sales Quantity by Application (2021-2026) & (K Units)

Table 115. South America TMR Magnetic Encoders Sales Quantity by Application (2027-2032) & (K Units)

Table 116. South America TMR Magnetic Encoders Sales Quantity by Country (2021-2026) & (K Units)

Table 117. South America TMR Magnetic Encoders Sales Quantity by Country

(2027-2032) & (K Units)

Table 118. South America TMR Magnetic Encoders Consumption Value by Country (2021-2026) & (USD Million)

Table 119. South America TMR Magnetic Encoders Consumption Value by Country (2027-2032) & (USD Million)

Table 120. Middle East & Africa TMR Magnetic Encoders Sales Quantity by Type (2021-2026) & (K Units)

Table 121. Middle East & Africa TMR Magnetic Encoders Sales Quantity by Type (2027-2032) & (K Units)

Table 122. Middle East & Africa TMR Magnetic Encoders Sales Quantity by Application (2021-2026) & (K Units)

Table 123. Middle East & Africa TMR Magnetic Encoders Sales Quantity by Application (2027-2032) & (K Units)

Table 124. Middle East & Africa TMR Magnetic Encoders Sales Quantity by Country (2021-2026) & (K Units)

Table 125. Middle East & Africa TMR Magnetic Encoders Sales Quantity by Country (2027-2032) & (K Units)

Table 126. Middle East & Africa TMR Magnetic Encoders Consumption Value by Country (2021-2026) & (USD Million)

Table 127. Middle East & Africa TMR Magnetic Encoders Consumption Value by Country (2027-2032) & (USD Million)

Table 128. TMR Magnetic Encoders Raw Material

Table 129. Key Manufacturers of TMR Magnetic Encoders Raw Materials

Table 130. TMR Magnetic Encoders Typical Distributors

Table 131. TMR Magnetic Encoders Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. TMR Magnetic Encoders Picture
- Figure 2. Global TMR Magnetic Encoders Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global TMR Magnetic Encoders Revenue Market Share by Type in 2025
- Figure 4. Absolute Examples
- Figure 5. Incremental Examples
- Figure 6. Global TMR Magnetic Encoders Revenue by Measurement Method, (USD Million), 2021 & 2025 & 2032
- Figure 7. Global TMR Magnetic Encoders Revenue Market Share by Measurement Method in 2025
- Figure 8. Rotary Examples
- Figure 9. Linear Examples
- Figure 10. Global TMR Magnetic Encoders Revenue by Angle Measurement Accuracy, (USD Million), 2021 & 2025 & 2032
- Figure 11. Global TMR Magnetic Encoders Revenue Market Share by Angle Measurement Accuracy in 2025
- Figure 12. 0.05°-0.1° Examples
- Figure 13. 0.1°-1° Examples
- Figure 14. 1° Examples
- Figure 15. Global TMR Magnetic Encoders Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 16. Global TMR Magnetic Encoders Revenue Market Share by Application in 2025
- Figure 17. Robotics Examples
- Figure 18. Industrial Automation Examples
- Figure 19. Automotive Electronics Examples
- Figure 20. Medical Equipment Examples
- Figure 21. Others Examples
- Figure 22. Global TMR Magnetic Encoders Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 23. Global TMR Magnetic Encoders Consumption Value and Forecast (2021-2032) & (USD Million)
- Figure 24. Global TMR Magnetic Encoders Sales Quantity (2021-2032) & (K Units)
- Figure 25. Global TMR Magnetic Encoders Price (2021-2032) & (US\$/Unit)
- Figure 26. Global TMR Magnetic Encoders Sales Quantity Market Share by

Manufacturer in 2025

Figure 27. Global TMR Magnetic Encoders Revenue Market Share by Manufacturer in 2025

Figure 28. Producer Shipments of TMR Magnetic Encoders by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 29. Top 3 TMR Magnetic Encoders Manufacturer (Revenue) Market Share in 2025

Figure 30. Top 6 TMR Magnetic Encoders Manufacturer (Revenue) Market Share in 2025

Figure 31. Global TMR Magnetic Encoders Sales Quantity Market Share by Region (2021-2032)

Figure 32. Global TMR Magnetic Encoders Consumption Value Market Share by Region (2021-2032)

Figure 33. North America TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 34. Europe TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 35. Asia-Pacific TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 36. South America TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 37. Middle East & Africa TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 38. Global TMR Magnetic Encoders Sales Quantity Market Share by Type (2021-2032)

Figure 39. Global TMR Magnetic Encoders Consumption Value Market Share by Type (2021-2032)

Figure 40. Global TMR Magnetic Encoders Average Price by Type (2021-2032) & (US\$/Unit)

Figure 41. Global TMR Magnetic Encoders Sales Quantity Market Share by Application (2021-2032)

Figure 42. Global TMR Magnetic Encoders Revenue Market Share by Application (2021-2032)

Figure 43. Global TMR Magnetic Encoders Average Price by Application (2021-2032) & (US\$/Unit)

Figure 44. North America TMR Magnetic Encoders Sales Quantity Market Share by Type (2021-2032)

Figure 45. North America TMR Magnetic Encoders Sales Quantity Market Share by Application (2021-2032)

Figure 46. North America TMR Magnetic Encoders Sales Quantity Market Share by Country (2021-2032)

Figure 47. North America TMR Magnetic Encoders Consumption Value Market Share by Country (2021-2032)

Figure 48. United States TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 49. Canada TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 50. Mexico TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 51. Europe TMR Magnetic Encoders Sales Quantity Market Share by Type (2021-2032)

Figure 52. Europe TMR Magnetic Encoders Sales Quantity Market Share by Application (2021-2032)

Figure 53. Europe TMR Magnetic Encoders Sales Quantity Market Share by Country (2021-2032)

Figure 54. Europe TMR Magnetic Encoders Consumption Value Market Share by Country (2021-2032)

Figure 55. Germany TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 56. France TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 57. United Kingdom TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 58. Russia TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 59. Italy TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 60. Asia-Pacific TMR Magnetic Encoders Sales Quantity Market Share by Type (2021-2032)

Figure 61. Asia-Pacific TMR Magnetic Encoders Sales Quantity Market Share by Application (2021-2032)

Figure 62. Asia-Pacific TMR Magnetic Encoders Sales Quantity Market Share by Region (2021-2032)

Figure 63. Asia-Pacific TMR Magnetic Encoders Consumption Value Market Share by Region (2021-2032)

Figure 64. China TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 65. Japan TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Million)

Figure 66. South Korea TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 67. India TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 68. Southeast Asia TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 69. Australia TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 70. South America TMR Magnetic Encoders Sales Quantity Market Share by Type (2021-2032)

Figure 71. South America TMR Magnetic Encoders Sales Quantity Market Share by Application (2021-2032)

Figure 72. South America TMR Magnetic Encoders Sales Quantity Market Share by Country (2021-2032)

Figure 73. South America TMR Magnetic Encoders Consumption Value Market Share by Country (2021-2032)

Figure 74. Brazil TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 75. Argentina TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 76. Middle East & Africa TMR Magnetic Encoders Sales Quantity Market Share by Type (2021-2032)

Figure 77. Middle East & Africa TMR Magnetic Encoders Sales Quantity Market Share by Application (2021-2032)

Figure 78. Middle East & Africa TMR Magnetic Encoders Sales Quantity Market Share by Country (2021-2032)

Figure 79. Middle East & Africa TMR Magnetic Encoders Consumption Value Market Share by Country (2021-2032)

Figure 80. Turkey TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 81. Egypt TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 82. Saudi Arabia TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 83. South Africa TMR Magnetic Encoders Consumption Value (2021-2032) & (USD Million)

Figure 84. TMR Magnetic Encoders Market Drivers

Figure 85. TMR Magnetic Encoders Market Restraints

Figure 86. TMR Magnetic Encoders Market Trends

Figure 87. Porters Five Forces Analysis

Figure 88. Manufacturing Cost Structure Analysis of TMR Magnetic Encoders in 2025

Figure 89. Manufacturing Process Analysis of TMR Magnetic Encoders

Figure 90. TMR Magnetic Encoders Industrial Chain

Figure 91. Sales Channel: Direct to End-User vs Distributors

Figure 92. Direct Channel Pros & Cons

Figure 93. Indirect Channel Pros & Cons

Figure 94. Methodology

Figure 95. Research Process and Data Source

I would like to order

Product name: Global TMR Magnetic Encoders Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GE12460D0274EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE12460D0274EN.html>