

Global Multi-stage Magnetic Ring Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Multi-stage Magnetic Ring market size was valued at US\$ 359 million in 2025 and is forecast to a readjusted size of US\$ 508 million by 2032 with a CAGR of 5.1% during review period.

In 2025, the production volume of multi-pole magnetic rings is projected to reach 249.8 million units, with an average selling price of \$1.40 per unit. The global annual production capacity for multi-pole magnetic rings stands at approximately 400 million units, with a gross margin of approximately 24.7%. A multi-pole magnetic ring represents a specific structural design within the field of magnetic components, engineered to achieve superior magnetic circuit control and enhanced magnetic field stability. These rings are typically utilized in inductors, transformers, magnetic sensors, as well as in applications requiring magnetic field shielding or magnetic circuit optimization. The upstream supply chain for multi-pole magnetic rings primarily comprises magnetic material suppliers, material processing and pulverizing manufacturers, and providers of manufacturing equipment and process technologies; downstream applications are predominantly found in the automotive, machinery, home appliance, and other industrial sectors.

The market for multi-pole magnetic rings is currently exhibiting a trend of diversified development, with application fields continuing to expand. In the automotive sector, driven by the growing adoption of electric vehicles, demand for multi-pole magnetic rings—particularly for high-performance and high-temperature-resistant variants—is surging in components such as drive motors and power seat adjusters. In the field of industrial automation, equipment such as CNC machine tools and robotic arms are imposing increasingly stringent requirements on the precision and stability of multi-pole

magnetic rings, thereby driving the growth of the high-end product market. Within the home appliance sector, trends toward quieter and more energy-efficient operation have prompted the adoption of multi-pole magnetic rings in components like air conditioner compressors and direct-drive washing machine motors, effectively reducing both noise levels and energy consumption. Concurrently, emerging fields—including consumer electronics, medical equipment, and quantum computing—are demonstrating a rising demand for customized multi-pole magnetic rings, highlighting a distinct trend toward market segmentation. On a global scale, companies in Europe and North America continue to hold a technological advantage in the high-end market; however, domestic Chinese enterprises—leveraging technological accumulation and cost advantages—are gradually expanding their market share in both the mid-to-low-end segments and select high-end niches, resulting in increasingly fierce market competition.

This report is a detailed and comprehensive analysis for global Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring

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 Multi-stage Magnetic Ring 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 TENGYE, MOBILSENS, Dexter Magnetics, Phoenix America, Hangseng(Ningbo) Magnetech, Allstar Magnetics, MPCO Magnetic Products, SDM Magnetics, SINOSTEEL NMC, FLYGAIN, etc.

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

Market Segmentation

Multi-stage Magnetic Ring 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

NdFeB Multi-stage Magnetic Rings

Ferrite Multi-stage Magnetic Rings

Rubber Multi-stage Magnetic Rings

Samarium Cobalt Multi-stage Magnetic Rings

Market segment by Number of Poles

4-Pole

8-Pole

16-Pole

32-Pole

64-Pole

Market segment by Magnetization Direction

Radial Magnetization

Axial Magnetization

Skewed Magnetization

Market segment by Application

Automotive

Machinery

Home Appliances

Others

Major players covered

TENGYE

MOBILSENS

Dexter Magnetics

Phoenix America

Hangseng(Ningbo) Magnetech

Allstar Magnetics

MPCO Magnetic Products

SDM Magnetics

SINOSTEEL NMC

FLYGAIN

Li Magent

Inst

Ekaid

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 Multi-stage Magnetic Ring product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Multi-stage Magnetic Ring, with price, sales quantity, revenue, and global market share of Multi-stage Magnetic Ring from 2021 to 2026.

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

Chapter 4, the Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring.

Chapter 14 and 15, to describe Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 NdFeB Multi-stage Magnetic Rings

1.3.3 Ferrite Multi-stage Magnetic Rings

1.3.4 Rubber Multi-stage Magnetic Rings

1.3.5 Samarium Cobalt Multi-stage Magnetic Rings

1.4 Market Analysis by Number of Poles

1.4.1 Overview: Global Multi-stage Magnetic Ring Consumption Value by Number of Poles: 2021 Versus 2025 Versus 2032

1.4.2 4-Pole

1.4.3 8-Pole

1.4.4 16-Pole

1.4.5 32-Pole

1.4.6 64-Pole

1.5 Market Analysis by Magnetization Direction

1.5.1 Overview: Global Multi-stage Magnetic Ring Consumption Value by Magnetization Direction: 2021 Versus 2025 Versus 2032

1.5.2 Radial Magnetization

1.5.3 Axial Magnetization

1.5.4 Skewed Magnetization

1.6 Market Analysis by Application

1.6.1 Overview: Global Multi-stage Magnetic Ring Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.6.2 Automotive

1.6.3 Machinery

1.6.4 Home Appliances

1.6.5 Others

1.7 Global Multi-stage Magnetic Ring Market Size & Forecast

1.7.1 Global Multi-stage Magnetic Ring Consumption Value (2021 & 2025 & 2032)

1.7.2 Global Multi-stage Magnetic Ring Sales Quantity (2021-2032)

1.7.3 Global Multi-stage Magnetic Ring Average Price (2021-2032)

2 MANUFACTURERS PROFILES

2.1 TENGYE

2.1.1 TENGYE Details

2.1.2 TENGYE Major Business

2.1.3 TENGYE Multi-stage Magnetic Ring Product and Services

2.1.4 TENGYE Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.1.5 TENGYE Recent Developments/Updates

2.2 MOBILSENS

2.2.1 MOBILSENS Details

2.2.2 MOBILSENS Major Business

2.2.3 MOBILSENS Multi-stage Magnetic Ring Product and Services

2.2.4 MOBILSENS Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.2.5 MOBILSENS Recent Developments/Updates

2.3 Dexter Magnetics

2.3.1 Dexter Magnetics Details

2.3.2 Dexter Magnetics Major Business

2.3.3 Dexter Magnetics Multi-stage Magnetic Ring Product and Services

2.3.4 Dexter Magnetics Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.3.5 Dexter Magnetics Recent Developments/Updates

2.4 Phoenix America

2.4.1 Phoenix America Details

2.4.2 Phoenix America Major Business

2.4.3 Phoenix America Multi-stage Magnetic Ring Product and Services

2.4.4 Phoenix America Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.4.5 Phoenix America Recent Developments/Updates

2.5 Hangseng(Ningbo) Magnetech

2.5.1 Hangseng(Ningbo) Magnetech Details

2.5.2 Hangseng(Ningbo) Magnetech Major Business

2.5.3 Hangseng(Ningbo) Magnetech Multi-stage Magnetic Ring Product and Services

2.5.4 Hangseng(Ningbo) Magnetech Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.5.5 Hangseng(Ningbo) Magnetech Recent Developments/Updates

2.6 Allstar Magnetics

2.6.1 Allstar Magnetics Details

- 2.6.2 Allstar Magnetics Major Business
- 2.6.3 Allstar Magnetics Multi-stage Magnetic Ring Product and Services
- 2.6.4 Allstar Magnetics Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.6.5 Allstar Magnetics Recent Developments/Updates
- 2.7 MPCO Magnetic Products
 - 2.7.1 MPCO Magnetic Products Details
 - 2.7.2 MPCO Magnetic Products Major Business
 - 2.7.3 MPCO Magnetic Products Multi-stage Magnetic Ring Product and Services
 - 2.7.4 MPCO Magnetic Products Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.7.5 MPCO Magnetic Products Recent Developments/Updates
- 2.8 SDM Magnetics
 - 2.8.1 SDM Magnetics Details
 - 2.8.2 SDM Magnetics Major Business
 - 2.8.3 SDM Magnetics Multi-stage Magnetic Ring Product and Services
 - 2.8.4 SDM Magnetics Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.8.5 SDM Magnetics Recent Developments/Updates
- 2.9 SINOSTEEL NMC
 - 2.9.1 SINOSTEEL NMC Details
 - 2.9.2 SINOSTEEL NMC Major Business
 - 2.9.3 SINOSTEEL NMC Multi-stage Magnetic Ring Product and Services
 - 2.9.4 SINOSTEEL NMC Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.9.5 SINOSTEEL NMC Recent Developments/Updates
- 2.10 FLYGAIN
 - 2.10.1 FLYGAIN Details
 - 2.10.2 FLYGAIN Major Business
 - 2.10.3 FLYGAIN Multi-stage Magnetic Ring Product and Services
 - 2.10.4 FLYGAIN Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.10.5 FLYGAIN Recent Developments/Updates
- 2.11 Li Magent
 - 2.11.1 Li Magent Details
 - 2.11.2 Li Magent Major Business
 - 2.11.3 Li Magent Multi-stage Magnetic Ring Product and Services
 - 2.11.4 Li Magent Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

- 2.11.5 Li Magent Recent Developments/Updates
- 2.12 Inst
 - 2.12.1 Inst Details
 - 2.12.2 Inst Major Business
 - 2.12.3 Inst Multi-stage Magnetic Ring Product and Services
 - 2.12.4 Inst Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.12.5 Inst Recent Developments/Updates
- 2.13 Ekaid
 - 2.13.1 Ekaid Details
 - 2.13.2 Ekaid Major Business
 - 2.13.3 Ekaid Multi-stage Magnetic Ring Product and Services
 - 2.13.4 Ekaid Multi-stage Magnetic Ring Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
 - 2.13.5 Ekaid Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: MULTI-STAGE MAGNETIC RING BY MANUFACTURER

- 3.1 Global Multi-stage Magnetic Ring Sales Quantity by Manufacturer (2021-2026)
- 3.2 Global Multi-stage Magnetic Ring Revenue by Manufacturer (2021-2026)
- 3.3 Global Multi-stage Magnetic Ring Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
 - 3.4.1 Producer Shipments of Multi-stage Magnetic Ring by Manufacturer Revenue (\$MM) and Market Share (%): 2025
 - 3.4.2 Top 3 Multi-stage Magnetic Ring Manufacturer Market Share in 2025
 - 3.4.3 Top 6 Multi-stage Magnetic Ring Manufacturer Market Share in 2025
- 3.5 Multi-stage Magnetic Ring Market: Overall Company Footprint Analysis
 - 3.5.1 Multi-stage Magnetic Ring Market: Region Footprint
 - 3.5.2 Multi-stage Magnetic Ring Market: Company Product Type Footprint
 - 3.5.3 Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Market Size by Region
 - 4.1.1 Global Multi-stage Magnetic Ring Sales Quantity by Region (2021-2032)
 - 4.1.2 Global Multi-stage Magnetic Ring Consumption Value by Region (2021-2032)

- 4.1.3 Global Multi-stage Magnetic Ring Average Price by Region (2021-2032)
- 4.2 North America Multi-stage Magnetic Ring Consumption Value (2021-2032)
- 4.3 Europe Multi-stage Magnetic Ring Consumption Value (2021-2032)
- 4.4 Asia-Pacific Multi-stage Magnetic Ring Consumption Value (2021-2032)
- 4.5 South America Multi-stage Magnetic Ring Consumption Value (2021-2032)
- 4.6 Middle East & Africa Multi-stage Magnetic Ring Consumption Value (2021-2032)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Multi-stage Magnetic Ring Sales Quantity by Type (2021-2032)
- 5.2 Global Multi-stage Magnetic Ring Consumption Value by Type (2021-2032)
- 5.3 Global Multi-stage Magnetic Ring Average Price by Type (2021-2032)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Multi-stage Magnetic Ring Sales Quantity by Application (2021-2032)
- 6.2 Global Multi-stage Magnetic Ring Consumption Value by Application (2021-2032)
- 6.3 Global Multi-stage Magnetic Ring Average Price by Application (2021-2032)

7 NORTH AMERICA

- 7.1 North America Multi-stage Magnetic Ring Sales Quantity by Type (2021-2032)
- 7.2 North America Multi-stage Magnetic Ring Sales Quantity by Application (2021-2032)
- 7.3 North America Multi-stage Magnetic Ring Market Size by Country
 - 7.3.1 North America Multi-stage Magnetic Ring Sales Quantity by Country (2021-2032)
 - 7.3.2 North America Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Sales Quantity by Type (2021-2032)
- 8.2 Europe Multi-stage Magnetic Ring Sales Quantity by Application (2021-2032)
- 8.3 Europe Multi-stage Magnetic Ring Market Size by Country
 - 8.3.1 Europe Multi-stage Magnetic Ring Sales Quantity by Country (2021-2032)
 - 8.3.2 Europe Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Multi-stage Magnetic Ring Market Size by Region
 - 9.3.1 Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Region (2021-2032)
 - 9.3.2 Asia-Pacific Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Sales Quantity by Type (2021-2032)
- 10.2 South America Multi-stage Magnetic Ring Sales Quantity by Application (2021-2032)
- 10.3 South America Multi-stage Magnetic Ring Market Size by Country
 - 10.3.1 South America Multi-stage Magnetic Ring Sales Quantity by Country (2021-2032)
 - 10.3.2 South America Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Multi-stage Magnetic Ring Market Size by Country

11.3.1 Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Market Drivers

12.2 Multi-stage Magnetic Ring Market Restraints

12.3 Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring and Key Manufacturers

13.2 Manufacturing Costs Percentage of Multi-stage Magnetic Ring

13.3 Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Typical Distributors

14.3 Multi-stage Magnetic Ring 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 Multi-stage Magnetic Ring Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Multi-stage Magnetic Ring Consumption Value by Number of Poles, (USD Million), 2021 & 2025 & 2032

Table 3. Global Multi-stage Magnetic Ring Consumption Value by Magnetization Direction, (USD Million), 2021 & 2025 & 2032

Table 4. Global Multi-stage Magnetic Ring Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 5. TENGYE Basic Information, Manufacturing Base and Competitors

Table 6. TENGYE Major Business

Table 7. TENGYE Multi-stage Magnetic Ring Product and Services

Table 8. TENGYE Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 9. TENGYE Recent Developments/Updates

Table 10. MOBILSENS Basic Information, Manufacturing Base and Competitors

Table 11. MOBILSENS Major Business

Table 12. MOBILSENS Multi-stage Magnetic Ring Product and Services

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

Table 14. MOBILSENS Recent Developments/Updates

Table 15. Dexter Magnetics Basic Information, Manufacturing Base and Competitors

Table 16. Dexter Magnetics Major Business

Table 17. Dexter Magnetics Multi-stage Magnetic Ring Product and Services

Table 18. Dexter Magnetics Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 19. Dexter Magnetics Recent Developments/Updates

Table 20. Phoenix America Basic Information, Manufacturing Base and Competitors

Table 21. Phoenix America Major Business

Table 22. Phoenix America Multi-stage Magnetic Ring Product and Services

Table 23. Phoenix America Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 24. Phoenix America Recent Developments/Updates

Table 25. Hangseng(Ningbo) Magnetech Basic Information, Manufacturing Base and

Competitors

Table 26. Hangseng(Ningbo) Magnetech Major Business

Table 27. Hangseng(Ningbo) Magnetech Multi-stage Magnetic Ring Product and Services

Table 28. Hangseng(Ningbo) Magnetech Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 29. Hangseng(Ningbo) Magnetech Recent Developments/Updates

Table 30. Allstar Magnetics Basic Information, Manufacturing Base and Competitors

Table 31. Allstar Magnetics Major Business

Table 32. Allstar Magnetics Multi-stage Magnetic Ring Product and Services

Table 33. Allstar Magnetics Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 34. Allstar Magnetics Recent Developments/Updates

Table 35. MPCO Magnetic Products Basic Information, Manufacturing Base and Competitors

Table 36. MPCO Magnetic Products Major Business

Table 37. MPCO Magnetic Products Multi-stage Magnetic Ring Product and Services

Table 38. MPCO Magnetic Products Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 39. MPCO Magnetic Products Recent Developments/Updates

Table 40. SDM Magnetics Basic Information, Manufacturing Base and Competitors

Table 41. SDM Magnetics Major Business

Table 42. SDM Magnetics Multi-stage Magnetic Ring Product and Services

Table 43. SDM Magnetics Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 44. SDM Magnetics Recent Developments/Updates

Table 45. SINOSTEEL NMC Basic Information, Manufacturing Base and Competitors

Table 46. SINOSTEEL NMC Major Business

Table 47. SINOSTEEL NMC Multi-stage Magnetic Ring Product and Services

Table 48. SINOSTEEL NMC Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 49. SINOSTEEL NMC Recent Developments/Updates

Table 50. FLYGAIN Basic Information, Manufacturing Base and Competitors

Table 51. FLYGAIN Major Business

Table 52. FLYGAIN Multi-stage Magnetic Ring Product and Services

- Table 53. FLYGAIN Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 54. FLYGAIN Recent Developments/Updates
- Table 55. Li Magent Basic Information, Manufacturing Base and Competitors
- Table 56. Li Magent Major Business
- Table 57. Li Magent Multi-stage Magnetic Ring Product and Services
- Table 58. Li Magent Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 59. Li Magent Recent Developments/Updates
- Table 60. Inst Basic Information, Manufacturing Base and Competitors
- Table 61. Inst Major Business
- Table 62. Inst Multi-stage Magnetic Ring Product and Services
- Table 63. Inst Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 64. Inst Recent Developments/Updates
- Table 65. Ekaid Basic Information, Manufacturing Base and Competitors
- Table 66. Ekaid Major Business
- Table 67. Ekaid Multi-stage Magnetic Ring Product and Services
- Table 68. Ekaid Multi-stage Magnetic Ring Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 69. Ekaid Recent Developments/Updates
- Table 70. Global Multi-stage Magnetic Ring Sales Quantity by Manufacturer (2021-2026) & (K Units)
- Table 71. Global Multi-stage Magnetic Ring Revenue by Manufacturer (2021-2026) & (USD Million)
- Table 72. Global Multi-stage Magnetic Ring Average Price by Manufacturer (2021-2026) & (US\$/Unit)
- Table 73. Market Position of Manufacturers in Multi-stage Magnetic Ring, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025
- Table 74. Head Office and Multi-stage Magnetic Ring Production Site of Key Manufacturer
- Table 75. Multi-stage Magnetic Ring Market: Company Product Type Footprint
- Table 76. Multi-stage Magnetic Ring Market: Company Product Application Footprint
- Table 77. Multi-stage Magnetic Ring New Market Entrants and Barriers to Market Entry
- Table 78. Multi-stage Magnetic Ring Mergers, Acquisition, Agreements, and Collaborations
- Table 79. Global Multi-stage Magnetic Ring Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
- Table 80. Global Multi-stage Magnetic Ring Sales Quantity by Region (2021-2026) & (K

Units)

Table 81. Global Multi-stage Magnetic Ring Sales Quantity by Region (2027-2032) & (K Units)

Table 82. Global Multi-stage Magnetic Ring Consumption Value by Region (2021-2026) & (USD Million)

Table 83. Global Multi-stage Magnetic Ring Consumption Value by Region (2027-2032) & (USD Million)

Table 84. Global Multi-stage Magnetic Ring Average Price by Region (2021-2026) & (US\$/Unit)

Table 85. Global Multi-stage Magnetic Ring Average Price by Region (2027-2032) & (US\$/Unit)

Table 86. Global Multi-stage Magnetic Ring Sales Quantity by Type (2021-2026) & (K Units)

Table 87. Global Multi-stage Magnetic Ring Sales Quantity by Type (2027-2032) & (K Units)

Table 88. Global Multi-stage Magnetic Ring Consumption Value by Type (2021-2026) & (USD Million)

Table 89. Global Multi-stage Magnetic Ring Consumption Value by Type (2027-2032) & (USD Million)

Table 90. Global Multi-stage Magnetic Ring Average Price by Type (2021-2026) & (US\$/Unit)

Table 91. Global Multi-stage Magnetic Ring Average Price by Type (2027-2032) & (US\$/Unit)

Table 92. Global Multi-stage Magnetic Ring Sales Quantity by Application (2021-2026) & (K Units)

Table 93. Global Multi-stage Magnetic Ring Sales Quantity by Application (2027-2032) & (K Units)

Table 94. Global Multi-stage Magnetic Ring Consumption Value by Application (2021-2026) & (USD Million)

Table 95. Global Multi-stage Magnetic Ring Consumption Value by Application (2027-2032) & (USD Million)

Table 96. Global Multi-stage Magnetic Ring Average Price by Application (2021-2026) & (US\$/Unit)

Table 97. Global Multi-stage Magnetic Ring Average Price by Application (2027-2032) & (US\$/Unit)

Table 98. North America Multi-stage Magnetic Ring Sales Quantity by Type (2021-2026) & (K Units)

Table 99. North America Multi-stage Magnetic Ring Sales Quantity by Type (2027-2032) & (K Units)

Table 100. North America Multi-stage Magnetic Ring Sales Quantity by Application (2021-2026) & (K Units)

Table 101. North America Multi-stage Magnetic Ring Sales Quantity by Application (2027-2032) & (K Units)

Table 102. North America Multi-stage Magnetic Ring Sales Quantity by Country (2021-2026) & (K Units)

Table 103. North America Multi-stage Magnetic Ring Sales Quantity by Country (2027-2032) & (K Units)

Table 104. North America Multi-stage Magnetic Ring Consumption Value by Country (2021-2026) & (USD Million)

Table 105. North America Multi-stage Magnetic Ring Consumption Value by Country (2027-2032) & (USD Million)

Table 106. Europe Multi-stage Magnetic Ring Sales Quantity by Type (2021-2026) & (K Units)

Table 107. Europe Multi-stage Magnetic Ring Sales Quantity by Type (2027-2032) & (K Units)

Table 108. Europe Multi-stage Magnetic Ring Sales Quantity by Application (2021-2026) & (K Units)

Table 109. Europe Multi-stage Magnetic Ring Sales Quantity by Application (2027-2032) & (K Units)

Table 110. Europe Multi-stage Magnetic Ring Sales Quantity by Country (2021-2026) & (K Units)

Table 111. Europe Multi-stage Magnetic Ring Sales Quantity by Country (2027-2032) & (K Units)

Table 112. Europe Multi-stage Magnetic Ring Consumption Value by Country (2021-2026) & (USD Million)

Table 113. Europe Multi-stage Magnetic Ring Consumption Value by Country (2027-2032) & (USD Million)

Table 114. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Type (2021-2026) & (K Units)

Table 115. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Type (2027-2032) & (K Units)

Table 116. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Application (2021-2026) & (K Units)

Table 117. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Application (2027-2032) & (K Units)

Table 118. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Region (2021-2026) & (K Units)

Table 119. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity by Region

(2027-2032) & (K Units)

Table 120. Asia-Pacific Multi-stage Magnetic Ring Consumption Value by Region (2021-2026) & (USD Million)

Table 121. Asia-Pacific Multi-stage Magnetic Ring Consumption Value by Region (2027-2032) & (USD Million)

Table 122. South America Multi-stage Magnetic Ring Sales Quantity by Type (2021-2026) & (K Units)

Table 123. South America Multi-stage Magnetic Ring Sales Quantity by Type (2027-2032) & (K Units)

Table 124. South America Multi-stage Magnetic Ring Sales Quantity by Application (2021-2026) & (K Units)

Table 125. South America Multi-stage Magnetic Ring Sales Quantity by Application (2027-2032) & (K Units)

Table 126. South America Multi-stage Magnetic Ring Sales Quantity by Country (2021-2026) & (K Units)

Table 127. South America Multi-stage Magnetic Ring Sales Quantity by Country (2027-2032) & (K Units)

Table 128. South America Multi-stage Magnetic Ring Consumption Value by Country (2021-2026) & (USD Million)

Table 129. South America Multi-stage Magnetic Ring Consumption Value by Country (2027-2032) & (USD Million)

Table 130. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Type (2021-2026) & (K Units)

Table 131. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Type (2027-2032) & (K Units)

Table 132. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Application (2021-2026) & (K Units)

Table 133. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Application (2027-2032) & (K Units)

Table 134. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Country (2021-2026) & (K Units)

Table 135. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity by Country (2027-2032) & (K Units)

Table 136. Middle East & Africa Multi-stage Magnetic Ring Consumption Value by Country (2021-2026) & (USD Million)

Table 137. Middle East & Africa Multi-stage Magnetic Ring Consumption Value by Country (2027-2032) & (USD Million)

Table 138. Multi-stage Magnetic Ring Raw Material

Table 139. Key Manufacturers of Multi-stage Magnetic Ring Raw Materials

Table 140. Multi-stage Magnetic Ring Typical Distributors

Table 141. Multi-stage Magnetic Ring Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Multi-stage Magnetic Ring Picture
- Figure 2. Global Multi-stage Magnetic Ring Revenue by Type, (USD Million), 2021 & 2025 & 2032
- Figure 3. Global Multi-stage Magnetic Ring Revenue Market Share by Type in 2025
- Figure 4. NdFeB Multi-stage Magnetic Rings Examples
- Figure 5. Ferrite Multi-stage Magnetic Rings Examples
- Figure 6. Rubber Multi-stage Magnetic Rings Examples
- Figure 7. Samarium Cobalt Multi-stage Magnetic Rings Examples
- Figure 8. Global Multi-stage Magnetic Ring Revenue by Number of Poles, (USD Million), 2021 & 2025 & 2032
- Figure 9. Global Multi-stage Magnetic Ring Revenue Market Share by Number of Poles in 2025
- Figure 10. 4-Pole Examples
- Figure 11. 8-Pole Examples
- Figure 12. 16-Pole Examples
- Figure 13. 32-Pole Examples
- Figure 14. 64-Pole Examples
- Figure 15. Global Multi-stage Magnetic Ring Revenue by Magnetization Direction, (USD Million), 2021 & 2025 & 2032
- Figure 16. Global Multi-stage Magnetic Ring Revenue Market Share by Magnetization Direction in 2025
- Figure 17. Radial Magnetization Examples
- Figure 18. Axial Magnetization Examples
- Figure 19. Skewed Magnetization Examples
- Figure 20. Global Multi-stage Magnetic Ring Consumption Value by Application, (USD Million), 2021 & 2025 & 2032
- Figure 21. Global Multi-stage Magnetic Ring Revenue Market Share by Application in 2025
- Figure 22. Automotive Examples
- Figure 23. Machinery Examples
- Figure 24. Home Appliances Examples
- Figure 25. Others Examples
- Figure 26. Global Multi-stage Magnetic Ring Consumption Value, (USD Million): 2021 & 2025 & 2032
- Figure 27. Global Multi-stage Magnetic Ring Consumption Value and Forecast

(2021-2032) & (USD Million)

Figure 28. Global Multi-stage Magnetic Ring Sales Quantity (2021-2032) & (K Units)

Figure 29. Global Multi-stage Magnetic Ring Price (2021-2032) & (US\$/Unit)

Figure 30. Global Multi-stage Magnetic Ring Sales Quantity Market Share by Manufacturer in 2025

Figure 31. Global Multi-stage Magnetic Ring Revenue Market Share by Manufacturer in 2025

Figure 32. Producer Shipments of Multi-stage Magnetic Ring by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 33. Top 3 Multi-stage Magnetic Ring Manufacturer (Revenue) Market Share in 2025

Figure 34. Top 6 Multi-stage Magnetic Ring Manufacturer (Revenue) Market Share in 2025

Figure 35. Global Multi-stage Magnetic Ring Sales Quantity Market Share by Region (2021-2032)

Figure 36. Global Multi-stage Magnetic Ring Consumption Value Market Share by Region (2021-2032)

Figure 37. North America Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 38. Europe Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 39. Asia-Pacific Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 40. South America Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 41. Middle East & Africa Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 42. Global Multi-stage Magnetic Ring Sales Quantity Market Share by Type (2021-2032)

Figure 43. Global Multi-stage Magnetic Ring Consumption Value Market Share by Type (2021-2032)

Figure 44. Global Multi-stage Magnetic Ring Average Price by Type (2021-2032) & (US\$/Unit)

Figure 45. Global Multi-stage Magnetic Ring Sales Quantity Market Share by Application (2021-2032)

Figure 46. Global Multi-stage Magnetic Ring Revenue Market Share by Application (2021-2032)

Figure 47. Global Multi-stage Magnetic Ring Average Price by Application (2021-2032) & (US\$/Unit)

Figure 48. North America Multi-stage Magnetic Ring Sales Quantity Market Share by Type (2021-2032)

Figure 49. North America Multi-stage Magnetic Ring Sales Quantity Market Share by Application (2021-2032)

Figure 50. North America Multi-stage Magnetic Ring Sales Quantity Market Share by Country (2021-2032)

Figure 51. North America Multi-stage Magnetic Ring Consumption Value Market Share by Country (2021-2032)

Figure 52. United States Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 53. Canada Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 54. Mexico Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 55. Europe Multi-stage Magnetic Ring Sales Quantity Market Share by Type (2021-2032)

Figure 56. Europe Multi-stage Magnetic Ring Sales Quantity Market Share by Application (2021-2032)

Figure 57. Europe Multi-stage Magnetic Ring Sales Quantity Market Share by Country (2021-2032)

Figure 58. Europe Multi-stage Magnetic Ring Consumption Value Market Share by Country (2021-2032)

Figure 59. Germany Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 60. France Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 61. United Kingdom Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 62. Russia Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 63. Italy Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 64. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity Market Share by Type (2021-2032)

Figure 65. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity Market Share by Application (2021-2032)

Figure 66. Asia-Pacific Multi-stage Magnetic Ring Sales Quantity Market Share by Region (2021-2032)

Figure 67. Asia-Pacific Multi-stage Magnetic Ring Consumption Value Market Share by

Region (2021-2032)

Figure 68. China Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 69. Japan Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 70. South Korea Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 71. India Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 72. Southeast Asia Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 73. Australia Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 74. South America Multi-stage Magnetic Ring Sales Quantity Market Share by Type (2021-2032)

Figure 75. South America Multi-stage Magnetic Ring Sales Quantity Market Share by Application (2021-2032)

Figure 76. South America Multi-stage Magnetic Ring Sales Quantity Market Share by Country (2021-2032)

Figure 77. South America Multi-stage Magnetic Ring Consumption Value Market Share by Country (2021-2032)

Figure 78. Brazil Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 79. Argentina Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 80. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity Market Share by Type (2021-2032)

Figure 81. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity Market Share by Application (2021-2032)

Figure 82. Middle East & Africa Multi-stage Magnetic Ring Sales Quantity Market Share by Country (2021-2032)

Figure 83. Middle East & Africa Multi-stage Magnetic Ring Consumption Value Market Share by Country (2021-2032)

Figure 84. Turkey Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 85. Egypt Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 86. Saudi Arabia Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 87. South Africa Multi-stage Magnetic Ring Consumption Value (2021-2032) & (USD Million)

Figure 88. Multi-stage Magnetic Ring Market Drivers

Figure 89. Multi-stage Magnetic Ring Market Restraints

Figure 90. Multi-stage Magnetic Ring Market Trends

Figure 91. Porters Five Forces Analysis

Figure 92. Manufacturing Cost Structure Analysis of Multi-stage Magnetic Ring in 2025

Figure 93. Manufacturing Process Analysis of Multi-stage Magnetic Ring

Figure 94. Multi-stage Magnetic Ring Industrial Chain

Figure 95. Sales Channel: Direct to End-User vs Distributors

Figure 96. Direct Channel Pros & Cons

Figure 97. Indirect Channel Pros & Cons

Figure 98. Methodology

Figure 99. Research Process and Data Source

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