

# Global Air Core Magnetic Torquer Market Research Report 2025(Status and Outlook)

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## Abstracts

### Report Overview

The Air Core Magnetic Torquer is a specialized device utilized in the field of aerospace and satellite technology. It is designed to provide attitude control for satellites and spacecraft by generating torque through the interaction of magnetic fields. The product's defining feature is its air core, which refers to the absence of ferromagnetic materials in the magnetic circuit. This design choice minimizes hysteresis and eddy current losses, enhancing the efficiency and reliability of the torquer. The Air Core Magnetic Torquer operates by adjusting the magnetic field generated by internal coils in response to external magnetic fields, allowing for precise control of the spacecraft's orientation. It is a critical component in maintaining the stability and functionality of satellites, particularly in applications where precise pointing and stabilization are required, such as in communication, Earth observation, and scientific research missions.

This report provides a deep insight into the global Air Core Magnetic Torquer market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Air Core Magnetic Torquer Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Air Core Magnetic Torquer market in any manner.

## Global Air Core Magnetic Torquer Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

### **Key Company**

Princeton Satellite Systems

ZARM Technik

CubeSpace

ISISPACE

Blue Canyon Technologies

NewSpace Systems

AAC Clyde Space

NanoAvionics

### **Market Segmentation (by Type)**

Square Support Type Air Core Magnetic Torquer

Circular Support Type Air Core Magnetic Torquer

Toroidal Core Type Air Core Magnetic Torquer

### **Market Segmentation (by Application)**

Low-Orbit Satellites

Medium-Orbit Satellites

High-Orbit Satellites

### **Geographic Segmentation**

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

**Key Benefits of This Market Research:**

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Air Core Magnetic Torquer Market

Overview of the regional outlook of the Air Core Magnetic Torquer Market:

**Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

**Chapter Outline**

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Air Core Magnetic Torquer Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types,

covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Air Core Magnetic Torquer, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

### **Key Reasons to Buy this Report:**

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region

as well as indicating the factors that are affecting the market within each region  
Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

### **Customization of the Report**

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

## Contents

### **1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE**

- 1.1 Market Definition and Statistical Scope of Air Core Magnetic Torquer
- 1.2 Key Market Segments
  - 1.2.1 Air Core Magnetic Torquer Segment by Type
  - 1.2.2 Air Core Magnetic Torquer Segment by Application
- 1.3 Methodology & Sources of Information
  - 1.3.1 Research Methodology
  - 1.3.2 Research Process
  - 1.3.3 Market Breakdown and Data Triangulation
  - 1.3.4 Base Year
  - 1.3.5 Report Assumptions & Caveats

### **2 AIR CORE MAGNETIC TORQUER MARKET OVERVIEW**

- 2.1 Global Market Overview
  - 2.1.1 Global Air Core Magnetic Torquer Market Size (M USD) Estimates and Forecasts (2020-2033)
  - 2.1.2 Global Air Core Magnetic Torquer Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

### **3 AIR CORE MAGNETIC TORQUER MARKET COMPETITIVE LANDSCAPE**

- 3.1 Company Assessment Quadrant
- 3.2 Global Air Core Magnetic Torquer Product Life Cycle
- 3.3 Global Air Core Magnetic Torquer Sales by Manufacturers (2020-2025)
- 3.4 Global Air Core Magnetic Torquer Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Air Core Magnetic Torquer Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Air Core Magnetic Torquer Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Air Core Magnetic Torquer Market Competitive Situation and Trends
  - 3.8.1 Air Core Magnetic Torquer Market Concentration Rate
  - 3.8.2 Global 5 and 10 Largest Air Core Magnetic Torquer Players Market Share by Revenue

### 3.8.3 Mergers & Acquisitions, Expansion

## **4 AIR CORE MAGNETIC TORQUER INDUSTRY CHAIN ANALYSIS**

### 4.1 Air Core Magnetic Torquer Industry Chain Analysis

### 4.2 Market Overview of Key Raw Materials

### 4.3 Midstream Market Analysis

### 4.4 Downstream Customer Analysis

## **5 THE DEVELOPMENT AND DYNAMICS OF AIR CORE MAGNETIC TORQUER MARKET**

### 5.1 Key Development Trends

### 5.2 Driving Factors

### 5.3 Market Challenges

### 5.4 Industry News

#### 5.4.1 New Product Developments

#### 5.4.2 Mergers & Acquisitions

#### 5.4.3 Expansions

#### 5.4.4 Collaboration/Supply Contracts

### 5.5 PEST Analysis

#### 5.5.1 Industry Policies Analysis

#### 5.5.2 Economic Environment Analysis

#### 5.5.3 Social Environment Analysis

#### 5.5.4 Technological Environment Analysis

### 5.6 Global Air Core Magnetic Torquer Market Porter's Five Forces Analysis

#### 5.6.1 Global Trade Frictions

#### 5.6.2 U.S. Tariff Policy ? April 2025

#### 5.6.3 Global Trade Frictions and Their Impacts to Air Core Magnetic Torquer Market

### 5.7 ESG Ratings of Leading Companies

## **6 AIR CORE MAGNETIC TORQUER MARKET SEGMENTATION BY TYPE**

### 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

### 6.2 Global Air Core Magnetic Torquer Sales Market Share by Type (2020-2025)

### 6.3 Global Air Core Magnetic Torquer Market Size Market Share by Type (2020-2025)

### 6.4 Global Air Core Magnetic Torquer Price by Type (2020-2025)

## **7 AIR CORE MAGNETIC TORQUER MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Air Core Magnetic Torquer Market Sales by Application (2020-2025)
- 7.3 Global Air Core Magnetic Torquer Market Size (M USD) by Application (2020-2025)
- 7.4 Global Air Core Magnetic Torquer Sales Growth Rate by Application (2020-2025)

## **8 AIR CORE MAGNETIC TORQUER MARKET SALES BY REGION**

- 8.1 Global Air Core Magnetic Torquer Sales by Region
  - 8.1.1 Global Air Core Magnetic Torquer Sales by Region
  - 8.1.2 Global Air Core Magnetic Torquer Sales Market Share by Region
- 8.2 Global Air Core Magnetic Torquer Market Size by Region
  - 8.2.1 Global Air Core Magnetic Torquer Market Size by Region
  - 8.2.2 Global Air Core Magnetic Torquer Market Size Market Share by Region
- 8.3 North America
  - 8.3.1 North America Air Core Magnetic Torquer Sales by Country
  - 8.3.2 North America Air Core Magnetic Torquer Market Size by Country
  - 8.3.3 U.S. Market Overview
  - 8.3.4 Canada Market Overview
  - 8.3.5 Mexico Market Overview
- 8.4 Europe
  - 8.4.1 Europe Air Core Magnetic Torquer Sales by Country
  - 8.4.2 Europe Air Core Magnetic Torquer Market Size by Country
  - 8.4.3 Germany Market Overview
  - 8.4.4 France Market Overview
  - 8.4.5 U.K. Market Overview
  - 8.4.6 Italy Market Overview
  - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
  - 8.5.1 Asia Pacific Air Core Magnetic Torquer Sales by Region
  - 8.5.2 Asia Pacific Air Core Magnetic Torquer Market Size by Region
  - 8.5.3 China Market Overview
  - 8.5.4 Japan Market Overview
  - 8.5.5 South Korea Market Overview
  - 8.5.6 India Market Overview
  - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
  - 8.6.1 South America Air Core Magnetic Torquer Sales by Country
  - 8.6.2 South America Air Core Magnetic Torquer Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Air Core Magnetic Torquer Sales by Region

8.7.2 Middle East and Africa Air Core Magnetic Torquer Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

## **9 AIR CORE MAGNETIC TORQUER MARKET PRODUCTION BY REGION**

9.1 Global Production of Air Core Magnetic Torquer by Region(2020-2025)

9.2 Global Air Core Magnetic Torquer Revenue Market Share by Region (2020-2025)

9.3 Global Air Core Magnetic Torquer Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Air Core Magnetic Torquer Production

9.4.1 North America Air Core Magnetic Torquer Production Growth Rate (2020-2025)

9.4.2 North America Air Core Magnetic Torquer Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Air Core Magnetic Torquer Production

9.5.1 Europe Air Core Magnetic Torquer Production Growth Rate (2020-2025)

9.5.2 Europe Air Core Magnetic Torquer Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Air Core Magnetic Torquer Production (2020-2025)

9.6.1 Japan Air Core Magnetic Torquer Production Growth Rate (2020-2025)

9.6.2 Japan Air Core Magnetic Torquer Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Air Core Magnetic Torquer Production (2020-2025)

9.7.1 China Air Core Magnetic Torquer Production Growth Rate (2020-2025)

9.7.2 China Air Core Magnetic Torquer Production, Revenue, Price and Gross Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

10.1 Princeton Satellite Systems

10.1.1 Princeton Satellite Systems Basic Information

- 10.1.2 Princeton Satellite Systems Air Core Magnetic Torquer Product Overview
- 10.1.3 Princeton Satellite Systems Air Core Magnetic Torquer Product Market Performance
- 10.1.4 Princeton Satellite Systems Business Overview
- 10.1.5 Princeton Satellite Systems SWOT Analysis
- 10.1.6 Princeton Satellite Systems Recent Developments
- 10.2 ZARM Technik
  - 10.2.1 ZARM Technik Basic Information
  - 10.2.2 ZARM Technik Air Core Magnetic Torquer Product Overview
  - 10.2.3 ZARM Technik Air Core Magnetic Torquer Product Market Performance
  - 10.2.4 ZARM Technik Business Overview
  - 10.2.5 ZARM Technik SWOT Analysis
  - 10.2.6 ZARM Technik Recent Developments
- 10.3 CubeSpace
  - 10.3.1 CubeSpace Basic Information
  - 10.3.2 CubeSpace Air Core Magnetic Torquer Product Overview
  - 10.3.3 CubeSpace Air Core Magnetic Torquer Product Market Performance
  - 10.3.4 CubeSpace Business Overview
  - 10.3.5 CubeSpace SWOT Analysis
  - 10.3.6 CubeSpace Recent Developments
- 10.4 ISISPACE
  - 10.4.1 ISISPACE Basic Information
  - 10.4.2 ISISPACE Air Core Magnetic Torquer Product Overview
  - 10.4.3 ISISPACE Air Core Magnetic Torquer Product Market Performance
  - 10.4.4 ISISPACE Business Overview
  - 10.4.5 ISISPACE Recent Developments
- 10.5 Blue Canyon Technologies
  - 10.5.1 Blue Canyon Technologies Basic Information
  - 10.5.2 Blue Canyon Technologies Air Core Magnetic Torquer Product Overview
  - 10.5.3 Blue Canyon Technologies Air Core Magnetic Torquer Product Market Performance
  - 10.5.4 Blue Canyon Technologies Business Overview
  - 10.5.5 Blue Canyon Technologies Recent Developments
- 10.6 NewSpace Systems
  - 10.6.1 NewSpace Systems Basic Information
  - 10.6.2 NewSpace Systems Air Core Magnetic Torquer Product Overview
  - 10.6.3 NewSpace Systems Air Core Magnetic Torquer Product Market Performance
  - 10.6.4 NewSpace Systems Business Overview
  - 10.6.5 NewSpace Systems Recent Developments

## 10.7 AAC Clyde Space

10.7.1 AAC Clyde Space Basic Information

10.7.2 AAC Clyde Space Air Core Magnetic Torquer Product Overview

10.7.3 AAC Clyde Space Air Core Magnetic Torquer Product Market Performance

10.7.4 AAC Clyde Space Business Overview

10.7.5 AAC Clyde Space Recent Developments

## 10.8 NanoAvionics

10.8.1 NanoAvionics Basic Information

10.8.2 NanoAvionics Air Core Magnetic Torquer Product Overview

10.8.3 NanoAvionics Air Core Magnetic Torquer Product Market Performance

10.8.4 NanoAvionics Business Overview

10.8.5 NanoAvionics Recent Developments

## **11 AIR CORE MAGNETIC TORQUER MARKET FORECAST BY REGION**

11.1 Global Air Core Magnetic Torquer Market Size Forecast

11.2 Global Air Core Magnetic Torquer Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Air Core Magnetic Torquer Market Size Forecast by Country

11.2.3 Asia Pacific Air Core Magnetic Torquer Market Size Forecast by Region

11.2.4 South America Air Core Magnetic Torquer Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Air Core Magnetic Torquer by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)**

12.1 Global Air Core Magnetic Torquer Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Air Core Magnetic Torquer by Type (2026-2033)

12.1.2 Global Air Core Magnetic Torquer Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Air Core Magnetic Torquer by Type (2026-2033)

12.2 Global Air Core Magnetic Torquer Market Forecast by Application (2026-2033)

12.2.1 Global Air Core Magnetic Torquer Sales (K MT) Forecast by Application

12.2.2 Global Air Core Magnetic Torquer Market Size (M USD) Forecast by Application (2026-2033)

## **13 CONCLUSION AND KEY FINDINGS**

## List Of Tables

### LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Air Core Magnetic Torquer Market Size Comparison by Region (M USD)
- Table 5. Global Air Core Magnetic Torquer Sales (K MT) by Manufacturers (2020-2025)
- Table 6. Global Air Core Magnetic Torquer Sales Market Share by Manufacturers (2020-2025)
- Table 7. Global Air Core Magnetic Torquer Revenue (M USD) by Manufacturers (2020-2025)
- Table 8. Global Air Core Magnetic Torquer Revenue Share by Manufacturers (2020-2025)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Air Core Magnetic Torquer as of 2024)
- Table 10. Global Market Air Core Magnetic Torquer Average Price (USD/KG) of Key Manufacturers (2020-2025)
- Table 11. Manufacturers? Manufacturing Sites, Areas Served
- Table 12. Manufacturers? Product Type
- Table 13. Global Air Core Magnetic Torquer Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Market Overview of Key Raw Materials
- Table 16. Midstream Market Analysis
- Table 17. Downstream Customer Analysis
- Table 18. Key Development Trends
- Table 19. Driving Factors
- Table 20. Air Core Magnetic Torquer Market Challenges
- Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026
- Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027
- Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026
- Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
- Table 25. Global Air Core Magnetic Torquer Sales by Type (K MT)
- Table 26. Global Air Core Magnetic Torquer Market Size by Type (M USD)
- Table 27. Global Air Core Magnetic Torquer Sales (K MT) by Type (2020-2025)
- Table 28. Global Air Core Magnetic Torquer Sales Market Share by Type (2020-2025)

- Table 29. Global Air Core Magnetic Torquer Market Size (M USD) by Type (2020-2025)
- Table 30. Global Air Core Magnetic Torquer Market Size Share by Type (2020-2025)
- Table 31. Global Air Core Magnetic Torquer Price (USD/KG) by Type (2020-2025)
- Table 32. Global Air Core Magnetic Torquer Sales (K MT) by Application
- Table 33. Global Air Core Magnetic Torquer Market Size by Application
- Table 34. Global Air Core Magnetic Torquer Sales by Application (2020-2025) & (K MT)
- Table 35. Global Air Core Magnetic Torquer Sales Market Share by Application (2020-2025)
- Table 36. Global Air Core Magnetic Torquer Market Size by Application (2020-2025) & (M USD)
- Table 37. Global Air Core Magnetic Torquer Market Share by Application (2020-2025)
- Table 38. Global Air Core Magnetic Torquer Sales Growth Rate by Application (2020-2025)
- Table 39. Global Air Core Magnetic Torquer Sales by Region (2020-2025) & (K MT)
- Table 40. Global Air Core Magnetic Torquer Sales Market Share by Region (2020-2025)
- Table 41. Global Air Core Magnetic Torquer Market Size by Region (2020-2025) & (M USD)
- Table 42. Global Air Core Magnetic Torquer Market Size Market Share by Region (2020-2025)
- Table 43. North America Air Core Magnetic Torquer Sales by Country (2020-2025) & (K MT)
- Table 44. North America Air Core Magnetic Torquer Market Size by Country (2020-2025) & (M USD)
- Table 45. Europe Air Core Magnetic Torquer Sales by Country (2020-2025) & (K MT)
- Table 46. Europe Air Core Magnetic Torquer Market Size by Country (2020-2025) & (M USD)
- Table 47. Asia Pacific Air Core Magnetic Torquer Sales by Region (2020-2025) & (K MT)
- Table 48. Asia Pacific Air Core Magnetic Torquer Market Size by Region (2020-2025) & (M USD)
- Table 49. South America Air Core Magnetic Torquer Sales by Country (2020-2025) & (K MT)
- Table 50. South America Air Core Magnetic Torquer Market Size by Country (2020-2025) & (M USD)
- Table 51. Middle East and Africa Air Core Magnetic Torquer Sales by Region (2020-2025) & (K MT)
- Table 52. Middle East and Africa Air Core Magnetic Torquer Market Size by Region (2020-2025) & (M USD)
- Table 53. Global Air Core Magnetic Torquer Production (K MT) by Region(2020-2025)

Table 54. Global Air Core Magnetic Torquer Revenue (US\$ Million) by Region (2020-2025)

Table 55. Global Air Core Magnetic Torquer Revenue Market Share by Region (2020-2025)

Table 56. Global Air Core Magnetic Torquer Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 57. North America Air Core Magnetic Torquer Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. Europe Air Core Magnetic Torquer Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Japan Air Core Magnetic Torquer Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. China Air Core Magnetic Torquer Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. Princeton Satellite Systems Basic Information

Table 62. Princeton Satellite Systems Air Core Magnetic Torquer Product Overview

Table 63. Princeton Satellite Systems Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 64. Princeton Satellite Systems Business Overview

Table 65. Princeton Satellite Systems SWOT Analysis

Table 66. Princeton Satellite Systems Recent Developments

Table 67. ZARM Technik Basic Information

Table 68. ZARM Technik Air Core Magnetic Torquer Product Overview

Table 69. ZARM Technik Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 70. ZARM Technik Business Overview

Table 71. ZARM Technik SWOT Analysis

Table 72. ZARM Technik Recent Developments

Table 73. CubeSpace Basic Information

Table 74. CubeSpace Air Core Magnetic Torquer Product Overview

Table 75. CubeSpace Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 76. CubeSpace Business Overview

Table 77. CubeSpace SWOT Analysis

Table 78. CubeSpace Recent Developments

Table 79. ISISPACE Basic Information

Table 80. ISISPACE Air Core Magnetic Torquer Product Overview

Table 81. ISISPACE Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 82. ISISPACE Business Overview

Table 83. ISISPACE Recent Developments

Table 84. Blue Canyon Technologies Basic Information

Table 85. Blue Canyon Technologies Air Core Magnetic Torquer Product Overview

Table 86. Blue Canyon Technologies Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 87. Blue Canyon Technologies Business Overview

Table 88. Blue Canyon Technologies Recent Developments

Table 89. NewSpace Systems Basic Information

Table 90. NewSpace Systems Air Core Magnetic Torquer Product Overview

Table 91. NewSpace Systems Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 92. NewSpace Systems Business Overview

Table 93. NewSpace Systems Recent Developments

Table 94. AAC Clyde Space Basic Information

Table 95. AAC Clyde Space Air Core Magnetic Torquer Product Overview

Table 96. AAC Clyde Space Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 97. AAC Clyde Space Business Overview

Table 98. AAC Clyde Space Recent Developments

Table 99. NanoAvionics Basic Information

Table 100. NanoAvionics Air Core Magnetic Torquer Product Overview

Table 101. NanoAvionics Air Core Magnetic Torquer Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 102. NanoAvionics Business Overview

Table 103. NanoAvionics Recent Developments

Table 104. Global Air Core Magnetic Torquer Sales Forecast by Region (2026-2033) & (K MT)

Table 105. Global Air Core Magnetic Torquer Market Size Forecast by Region (2026-2033) & (M USD)

Table 106. North America Air Core Magnetic Torquer Sales Forecast by Country (2026-2033) & (K MT)

Table 107. North America Air Core Magnetic Torquer Market Size Forecast by Country (2026-2033) & (M USD)

Table 108. Europe Air Core Magnetic Torquer Sales Forecast by Country (2026-2033) & (K MT)

Table 109. Europe Air Core Magnetic Torquer Market Size Forecast by Country (2026-2033) & (M USD)

Table 110. Asia Pacific Air Core Magnetic Torquer Sales Forecast by Region

(2026-2033) & (K MT)

Table 111. Asia Pacific Air Core Magnetic Torquer Market Size Forecast by Region (2026-2033) & (M USD)

Table 112. South America Air Core Magnetic Torquer Sales Forecast by Country (2026-2033) & (K MT)

Table 113. South America Air Core Magnetic Torquer Market Size Forecast by Country (2026-2033) & (M USD)

Table 114. Middle East and Africa Air Core Magnetic Torquer Sales Forecast by Country (2026-2033) & (Units)

Table 115. Middle East and Africa Air Core Magnetic Torquer Market Size Forecast by Country (2026-2033) & (M USD)

Table 116. Global Air Core Magnetic Torquer Sales Forecast by Type (2026-2033) & (K MT)

Table 117. Global Air Core Magnetic Torquer Market Size Forecast by Type (2026-2033) & (M USD)

Table 118. Global Air Core Magnetic Torquer Price Forecast by Type (2026-2033) & (USD/KG)

Table 119. Global Air Core Magnetic Torquer Sales (K MT) Forecast by Application (2026-2033)

Table 120. Global Air Core Magnetic Torquer Market Size Forecast by Application (2026-2033) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Air Core Magnetic Torquer
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Air Core Magnetic Torquer Market Size (M USD), 2024-2033
- Figure 5. Global Air Core Magnetic Torquer Market Size (M USD) (2020-2033)
- Figure 6. Global Air Core Magnetic Torquer Sales (K MT) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Air Core Magnetic Torquer Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Air Core Magnetic Torquer Product Life Cycle
- Figure 13. Air Core Magnetic Torquer Sales Share by Manufacturers in 2024
- Figure 14. Global Air Core Magnetic Torquer Revenue Share by Manufacturers in 2024
- Figure 15. Air Core Magnetic Torquer Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Air Core Magnetic Torquer Average Price (USD/KG) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Air Core Magnetic Torquer Revenue in 2024
- Figure 18. Industry Chain Map of Air Core Magnetic Torquer
- Figure 19. Global Air Core Magnetic Torquer Market PEST Analysis
- Figure 20. Global Air Core Magnetic Torquer Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Air Core Magnetic Torquer Market Share by Type
- Figure 27. Sales Market Share of Air Core Magnetic Torquer by Type (2020-2025)
- Figure 28. Sales Market Share of Air Core Magnetic Torquer by Type in 2024
- Figure 29. Market Size Share of Air Core Magnetic Torquer by Type (2020-2025)
- Figure 30. Market Size Share of Air Core Magnetic Torquer by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Air Core Magnetic Torquer Market Share by Application

Figure 33. Global Air Core Magnetic Torquer Sales Market Share by Application (2020-2025)

Figure 34. Global Air Core Magnetic Torquer Sales Market Share by Application in 2024

Figure 35. Global Air Core Magnetic Torquer Market Share by Application (2020-2025)

Figure 36. Global Air Core Magnetic Torquer Market Share by Application in 2024

Figure 37. Global Air Core Magnetic Torquer Sales Growth Rate by Application (2020-2025)

Figure 38. Global Air Core Magnetic Torquer Sales Market Share by Region (2020-2025)

Figure 39. Global Air Core Magnetic Torquer Market Size Market Share by Region (2020-2025)

Figure 40. North America Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Air Core Magnetic Torquer Sales Market Share by Country in 2024

Figure 43. North America Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Air Core Magnetic Torquer Market Size Market Share by Country in 2024

Figure 45. U.S. Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Air Core Magnetic Torquer Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Air Core Magnetic Torquer Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Air Core Magnetic Torquer Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Air Core Magnetic Torquer Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Air Core Magnetic Torquer Sales Market Share by Country in 2024

Figure 53. Europe Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Air Core Magnetic Torquer Market Size Market Share by Country in

2024

Figure 55. Germany Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Air Core Magnetic Torquer Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Air Core Magnetic Torquer Sales Market Share by Region in 2024

Figure 67. Asia Pacific Air Core Magnetic Torquer Market Size Market Share by Region in 2024

Figure 68. China Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K

MT)

Figure 75. India Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Air Core Magnetic Torquer Sales and Growth Rate (K MT)

Figure 79. South America Air Core Magnetic Torquer Sales Market Share by Country in 2024

Figure 80. South America Air Core Magnetic Torquer Market Size and Growth Rate (M USD)

Figure 81. South America Air Core Magnetic Torquer Market Size Market Share by Country in 2024

Figure 82. Brazil Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Air Core Magnetic Torquer Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Air Core Magnetic Torquer Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Air Core Magnetic Torquer Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Air Core Magnetic Torquer Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K

MT)

Figure 95. UAE Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Air Core Magnetic Torquer Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Air Core Magnetic Torquer Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Air Core Magnetic Torquer Production Market Share by Region (2020-2025)

Figure 103. North America Air Core Magnetic Torquer Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Air Core Magnetic Torquer Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Air Core Magnetic Torquer Production (K MT) Growth Rate (2020-2025)

Figure 106. China Air Core Magnetic Torquer Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Air Core Magnetic Torquer Sales Forecast by Volume (2020-2033) & (K MT)

Figure 108. Global Air Core Magnetic Torquer Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Air Core Magnetic Torquer Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Air Core Magnetic Torquer Market Share Forecast by Type (2026-2033)

Figure 111. Global Air Core Magnetic Torquer Sales Forecast by Application (2026-2033)

Figure 112. Global Air Core Magnetic Torquer Market Share Forecast by Application (2026-2033)

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