

Global Frameless Direct Drive Rotary Motor Market Growth 2026-2032

<https://marketpublishers.com/r/GF2D8FEC1926EN.html>

Date: July 2026

Pages: 148

Price: US\$ 3,660.00 (Single User License)

ID: GF2D8FEC1926EN

Abstracts

The global Frameless Direct Drive Rotary Motor market size is predicted to grow from US\$ 692 million in 2025 to US\$ 1196 million in 2032; it is expected to grow at a CAGR of 8.4% from 2026 to 2032.

In 2025, global production of frameless direct drive rotary motors reached 1.36 million units, with an estimated average selling price of US\$520 per unit. Frameless direct-drive rotary motors are high-precision motors composed of stator and rotor assemblies that are directly embedded into the customer's equipment structure. They typically lack the traditional motor housing, end covers, bearings, output shafts, and independent mounting flanges. The motor body itself provides support, heat dissipation, bearings, and structural positioning, achieving a more compact space, higher torque density, lower transmission backlash, and better dynamic response. Applications include industrial robots, collaborative robots, humanoid robots, medical/surgical robots, semiconductor equipment, machine tool turntables and spindles, electronic manufacturing equipment, optical and laser equipment, aerospace, radar/antenna turntables, AGVs/AMRs, exoskeletons, and precision automation equipment. The upstream of the industry chain mainly includes rare earth permanent magnet materials, silicon steel sheets/electrical steel, enameled wire, insulating materials, epoxy potting materials, temperature sensors, Hall elements, encoders, power devices, servo drives, precision machined parts, and heat dissipation materials. The midstream includes electromagnetic design, stator windings, rotor magnet assembly, potting and encapsulation, dynamic balancing, testing and calibration, and application adaptation. The downstream includes robot manufacturers, machine tool manufacturers, semiconductor equipment manufacturers, medical equipment manufacturers, automation system integrators, and aerospace and defense equipment companies. Gross profit margin is approximately 25%-40%.

United States market for Frameless Direct Drive Rotary Motor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Frameless Direct Drive Rotary Motor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Frameless Direct Drive Rotary Motor is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Frameless Direct Drive Rotary Motor players cover Parker Hannifin, Kollmorgen, Allied Motion, Moog, ETEL, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "Frameless Direct Drive Rotary Motor Industry Forecast" looks at past sales and reviews total world Frameless Direct Drive Rotary Motor sales in 2025, providing a comprehensive analysis by region and market sector of projected Frameless Direct Drive Rotary Motor sales for 2026 through 2032. With Frameless Direct Drive Rotary Motor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Frameless Direct Drive Rotary Motor industry.

This Insight Report provides a comprehensive analysis of the global Frameless Direct Drive Rotary Motor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Frameless Direct Drive Rotary Motor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Frameless Direct Drive Rotary Motor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Frameless Direct Drive Rotary Motor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Frameless Direct Drive Rotary Motor.

This report presents a comprehensive overview, market shares, and growth opportunities of Frameless Direct Drive Rotary Motor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Frameless External Rotor

Frameless Internal Rotor

Segmentation by Cooling Method:

Natural Cooling

Air Cooling

Liquid Cooling/Water Cooling

Segmentation by Torque Output:

Low/Medium Torque Type

High Torque Type

Segmentation by Application:

Industrial Robots

Medical Equipment

Semiconductor Equipment

Machine Tools

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Parker Hannifin

Kollmorgen

Allied Motion

Moog

ETEL

ALXION

Novanta

Aerotech, Inc.

ThinGap

Delta Line

Maxon Group

Harmonic Drive

Akribis Systems

Tecnotion

Guangzhou Haozhi Industrial

Kinco

HAN'S MOTOR

Sengle Electric

Suzhou Zhiwei Precision Drive Control Technology

Mosrac

Viso Automation

Shenzhen Dynamikwell Technology

Suzhou VEICHI Electric

Shanghai Darui Micromotor

Suzhou Yan Machine Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Frameless Direct Drive Rotary Motor market?

What factors are driving Frameless Direct Drive Rotary Motor market growth, globally and by region?

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

How do Frameless Direct Drive Rotary Motor market opportunities vary by end market size?

How does Frameless Direct Drive Rotary Motor break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

2.1 World Market Overview

- 2.1.1 Global Frameless Direct Drive Rotary Motor Annual Sales 2021-2032
- 2.1.2 World Current & Future Analysis for Frameless Direct Drive Rotary Motor by Geographic Region, 2021, 2025 & 2032
- 2.1.3 World Current & Future Analysis for Frameless Direct Drive Rotary Motor by Country/Region, 2021, 2025 & 2032
- 2.2 Frameless Direct Drive Rotary Motor Segment by Type
 - 2.2.1 Frameless External Rotor
 - 2.2.2 Frameless Internal Rotor
 - 2.2.3 Frameless Direct Drive Rotary Motor Sales by Type
 - 2.2.3.1 Global Frameless Direct Drive Rotary Motor Sales Market Share by Type (2021-2026)
 - 2.2.3.2 Global Frameless Direct Drive Rotary Motor Revenue and Market Share by Type (2021-2026)
 - 2.2.3.3 Global Frameless Direct Drive Rotary Motor Sale Price by Type (2021-2026)
- 2.3 Frameless Direct Drive Rotary Motor Segment by Cooling Method
 - 2.3.1 Natural Cooling
 - 2.3.2 Air Cooling
 - 2.3.3 Liquid Cooling/Water Cooling
 - 2.3.4 Frameless Direct Drive Rotary Motor Sales by Cooling Method
 - 2.3.4.1 Global Frameless Direct Drive Rotary Motor Sales Market Share by Cooling Method (2021-2026)
 - 2.3.4.2 Global Frameless Direct Drive Rotary Motor Revenue and Market Share by Cooling Method (2021-2026)

2.3.4.3 Global Frameless Direct Drive Rotary Motor Sale Price by Cooling Method (2021-2026)

2.4 Frameless Direct Drive Rotary Motor Segment by Torque Output

2.4.1 Low/Medium Torque Type

2.4.2 High Torque Type

2.4.3 Frameless Direct Drive Rotary Motor Sales by Torque Output

2.4.3.1 Global Frameless Direct Drive Rotary Motor Sales Market Share by Torque Output (2021-2026)

2.4.3.2 Global Frameless Direct Drive Rotary Motor Revenue and Market Share by Torque Output (2021-2026)

2.4.3.3 Global Frameless Direct Drive Rotary Motor Sale Price by Torque Output (2021-2026)

2.5 Frameless Direct Drive Rotary Motor Segment by Application

2.5.1 Industrial Robots

2.5.2 Medical Equipment

2.5.3 Semiconductor Equipment

2.5.4 Machine Tools

2.5.5 Others

2.5.6 Frameless Direct Drive Rotary Motor Sales by Application

2.5.6.1 Global Frameless Direct Drive Rotary Motor Sale Market Share by Application (2021-2026)

2.5.6.2 Global Frameless Direct Drive Rotary Motor Revenue and Market Share by Application (2021-2026)

2.5.6.3 Global Frameless Direct Drive Rotary Motor Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

3.1 Global Frameless Direct Drive Rotary Motor Breakdown Data by Company

3.1.1 Global Frameless Direct Drive Rotary Motor Annual Sales by Company (2021-2026)

3.1.2 Global Frameless Direct Drive Rotary Motor Sales Market Share by Company (2021-2026)

3.2 Global Frameless Direct Drive Rotary Motor Annual Revenue by Company (2021-2026)

3.2.1 Global Frameless Direct Drive Rotary Motor Revenue by Company (2021-2026)

3.2.2 Global Frameless Direct Drive Rotary Motor Revenue Market Share by Company (2021-2026)

3.3 Global Frameless Direct Drive Rotary Motor Sale Price by Company

3.4 Key Manufacturers Frameless Direct Drive Rotary Motor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Frameless Direct Drive Rotary Motor Product Location Distribution

3.4.2 Players Frameless Direct Drive Rotary Motor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR FRAMELESS DIRECT DRIVE ROTARY MOTOR BY GEOGRAPHIC REGION

4.1 World Historic Frameless Direct Drive Rotary Motor Market Size by Geographic Region (2021-2026)

4.1.1 Global Frameless Direct Drive Rotary Motor Annual Sales by Geographic Region (2021-2026)

4.1.2 Global Frameless Direct Drive Rotary Motor Annual Revenue by Geographic Region (2021-2026)

4.2 World Historic Frameless Direct Drive Rotary Motor Market Size by Country/Region (2021-2026)

4.2.1 Global Frameless Direct Drive Rotary Motor Annual Sales by Country/Region (2021-2026)

4.2.2 Global Frameless Direct Drive Rotary Motor Annual Revenue by Country/Region (2021-2026)

4.3 Americas Frameless Direct Drive Rotary Motor Sales Growth

4.4 APAC Frameless Direct Drive Rotary Motor Sales Growth

4.5 Europe Frameless Direct Drive Rotary Motor Sales Growth

4.6 Middle East & Africa Frameless Direct Drive Rotary Motor Sales Growth

5 AMERICAS

5.1 Americas Frameless Direct Drive Rotary Motor Sales by Country

5.1.1 Americas Frameless Direct Drive Rotary Motor Sales by Country (2021-2026)

5.1.2 Americas Frameless Direct Drive Rotary Motor Revenue by Country (2021-2026)

5.2 Americas Frameless Direct Drive Rotary Motor Sales by Type (2021-2026)

5.3 Americas Frameless Direct Drive Rotary Motor Sales by Application (2021-2026)

5.4 United States

5.5 Canada

5.6 Mexico

5.7 Brazil

6 APAC

6.1 APAC Frameless Direct Drive Rotary Motor Sales by Region

6.1.1 APAC Frameless Direct Drive Rotary Motor Sales by Region (2021-2026)

6.1.2 APAC Frameless Direct Drive Rotary Motor Revenue by Region (2021-2026)

6.2 APAC Frameless Direct Drive Rotary Motor Sales by Type (2021-2026)

6.3 APAC Frameless Direct Drive Rotary Motor Sales by Application (2021-2026)

6.4 China

6.5 Japan

6.6 South Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Frameless Direct Drive Rotary Motor by Country

7.1.1 Europe Frameless Direct Drive Rotary Motor Sales by Country (2021-2026)

7.1.2 Europe Frameless Direct Drive Rotary Motor Revenue by Country (2021-2026)

7.2 Europe Frameless Direct Drive Rotary Motor Sales by Type (2021-2026)

7.3 Europe Frameless Direct Drive Rotary Motor Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Frameless Direct Drive Rotary Motor by Country

8.1.1 Middle East & Africa Frameless Direct Drive Rotary Motor Sales by Country (2021-2026)

8.1.2 Middle East & Africa Frameless Direct Drive Rotary Motor Revenue by Country (2021-2026)

8.2 Middle East & Africa Frameless Direct Drive Rotary Motor Sales by Type
(2021-2026)

8.3 Middle East & Africa Frameless Direct Drive Rotary Motor Sales by Application
(2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Frameless Direct Drive Rotary Motor

10.3 Manufacturing Process Analysis of Frameless Direct Drive Rotary Motor

10.4 Industry Chain Structure of Frameless Direct Drive Rotary Motor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Frameless Direct Drive Rotary Motor Distributors

11.3 Frameless Direct Drive Rotary Motor Customer

12 WORLD FORECAST REVIEW FOR FRAMELESS DIRECT DRIVE ROTARY MOTOR BY GEOGRAPHIC REGION

12.1 Global Frameless Direct Drive Rotary Motor Market Size Forecast by Region

12.1.1 Global Frameless Direct Drive Rotary Motor Forecast by Region (2027-2032)

12.1.2 Global Frameless Direct Drive Rotary Motor Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

- 12.3 APAC Forecast by Region (2027-2032)
- 12.4 Europe Forecast by Country (2027-2032)
- 12.5 Middle East & Africa Forecast by Country (2027-2032)
- 12.6 Global Frameless Direct Drive Rotary Motor Forecast by Type (2027-2032)
- 12.7 Global Frameless Direct Drive Rotary Motor Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Parker Hannifin

13.1.1 Parker Hannifin Company Information

13.1.2 Parker Hannifin Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.1.3 Parker Hannifin Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Parker Hannifin Main Business Overview

13.1.5 Parker Hannifin Latest Developments

13.2 Kollmorgen

13.2.1 Kollmorgen Company Information

13.2.2 Kollmorgen Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.2.3 Kollmorgen Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 Kollmorgen Main Business Overview

13.2.5 Kollmorgen Latest Developments

13.3 Allied Motion

13.3.1 Allied Motion Company Information

13.3.2 Allied Motion Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.3.3 Allied Motion Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Allied Motion Main Business Overview

13.3.5 Allied Motion Latest Developments

13.4 Moog

13.4.1 Moog Company Information

13.4.2 Moog Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.4.3 Moog Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 Moog Main Business Overview

13.4.5 Moog Latest Developments

13.5 ETEL

13.5.1 ETEL Company Information

13.5.2 ETEL Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.5.3 ETEL Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 ETEL Main Business Overview

13.5.5 ETEL Latest Developments

13.6 ALXION

13.6.1 ALXION Company Information

13.6.2 ALXION Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.6.3 ALXION Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 ALXION Main Business Overview

13.6.5 ALXION Latest Developments

13.7 Novanta

13.7.1 Novanta Company Information

13.7.2 Novanta Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.7.3 Novanta Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 Novanta Main Business Overview

13.7.5 Novanta Latest Developments

13.8 Aerotech, Inc.

13.8.1 Aerotech, Inc. Company Information

13.8.2 Aerotech, Inc. Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.8.3 Aerotech, Inc. Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.8.4 Aerotech, Inc. Main Business Overview

13.8.5 Aerotech, Inc. Latest Developments

13.9 ThinGap

13.9.1 ThinGap Company Information

13.9.2 ThinGap Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.9.3 ThinGap Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

- 13.9.4 ThinGap Main Business Overview
- 13.9.5 ThinGap Latest Developments
- 13.10 Delta Line
 - 13.10.1 Delta Line Company Information
 - 13.10.2 Delta Line Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
 - 13.10.3 Delta Line Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.10.4 Delta Line Main Business Overview
 - 13.10.5 Delta Line Latest Developments
- 13.11 Maxon Group
 - 13.11.1 Maxon Group Company Information
 - 13.11.2 Maxon Group Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
 - 13.11.3 Maxon Group Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.11.4 Maxon Group Main Business Overview
 - 13.11.5 Maxon Group Latest Developments
- 13.12 Harmonic Drive
 - 13.12.1 Harmonic Drive Company Information
 - 13.12.2 Harmonic Drive Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
 - 13.12.3 Harmonic Drive Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.12.4 Harmonic Drive Main Business Overview
 - 13.12.5 Harmonic Drive Latest Developments
- 13.13 Akribis Systems
 - 13.13.1 Akribis Systems Company Information
 - 13.13.2 Akribis Systems Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
 - 13.13.3 Akribis Systems Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.13.4 Akribis Systems Main Business Overview
 - 13.13.5 Akribis Systems Latest Developments
- 13.14 Tecnotion
 - 13.14.1 Tecnotion Company Information
 - 13.14.2 Tecnotion Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
 - 13.14.3 Tecnotion Frameless Direct Drive Rotary Motor Sales, Revenue, Price and

Gross Margin (2021-2026)

13.14.4 Tecnotion Main Business Overview

13.14.5 Tecnotion Latest Developments

13.15 Guangzhou Haozhi Industrial

13.15.1 Guangzhou Haozhi Industrial Company Information

13.15.2 Guangzhou Haozhi Industrial Frameless Direct Drive Rotary Motor Product

Portfolios and Specifications

13.15.3 Guangzhou Haozhi Industrial Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.15.4 Guangzhou Haozhi Industrial Main Business Overview

13.15.5 Guangzhou Haozhi Industrial Latest Developments

13.16 Kinco

13.16.1 Kinco Company Information

13.16.2 Kinco Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.16.3 Kinco Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.16.4 Kinco Main Business Overview

13.16.5 Kinco Latest Developments

13.17 HAN'S MOTOR

13.17.1 HAN'S MOTOR Company Information

13.17.2 HAN'S MOTOR Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.17.3 HAN'S MOTOR Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.17.4 HAN'S MOTOR Main Business Overview

13.17.5 HAN'S MOTOR Latest Developments

13.18 Sengle Electric

13.18.1 Sengle Electric Company Information

13.18.2 Sengle Electric Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.18.3 Sengle Electric Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.18.4 Sengle Electric Main Business Overview

13.18.5 Sengle Electric Latest Developments

13.19 Suzhou Zhiwei Precision Drive Control Technology

13.19.1 Suzhou Zhiwei Precision Drive Control Technology Company Information

13.19.2 Suzhou Zhiwei Precision Drive Control Technology Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.19.3 Suzhou Zhiwei Precision Drive Control Technology Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.19.4 Suzhou Zhiwei Precision Drive Control Technology Main Business Overview

13.19.5 Suzhou Zhiwei Precision Drive Control Technology Latest Developments

13.20 Mosrac

13.20.1 Mosrac Company Information

13.20.2 Mosrac Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.20.3 Mosrac Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.20.4 Mosrac Main Business Overview

13.20.5 Mosrac Latest Developments

13.21 Viso Automation

13.21.1 Viso Automation Company Information

13.21.2 Viso Automation Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.21.3 Viso Automation Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.21.4 Viso Automation Main Business Overview

13.21.5 Viso Automation Latest Developments

13.22 Shenzhen Dynamikwell Technology

13.22.1 Shenzhen Dynamikwell Technology Company Information

13.22.2 Shenzhen Dynamikwell Technology Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.22.3 Shenzhen Dynamikwell Technology Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.22.4 Shenzhen Dynamikwell Technology Main Business Overview

13.22.5 Shenzhen Dynamikwell Technology Latest Developments

13.23 Suzhou VEICHI Electric

13.23.1 Suzhou VEICHI Electric Company Information

13.23.2 Suzhou VEICHI Electric Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.23.3 Suzhou VEICHI Electric Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.23.4 Suzhou VEICHI Electric Main Business Overview

13.23.5 Suzhou VEICHI Electric Latest Developments

13.24 Shanghai Darui Micromotor

13.24.1 Shanghai Darui Micromotor Company Information

13.24.2 Shanghai Darui Micromotor Frameless Direct Drive Rotary Motor Product

Portfolios and Specifications

13.24.3 Shanghai Darui Micromotor Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.24.4 Shanghai Darui Micromotor Main Business Overview

13.24.5 Shanghai Darui Micromotor Latest Developments

13.25 Suzhou Yan Machine Technology

13.25.1 Suzhou Yan Machine Technology Company Information

13.25.2 Suzhou Yan Machine Technology Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

13.25.3 Suzhou Yan Machine Technology Frameless Direct Drive Rotary Motor Sales, Revenue, Price and Gross Margin (2021-2026)

13.25.4 Suzhou Yan Machine Technology Main Business Overview

13.25.5 Suzhou Yan Machine Technology Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Frameless Direct Drive Rotary Motor Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Frameless Direct Drive Rotary Motor Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Frameless External Rotor

Table 4. Major Players of Frameless Internal Rotor

Table 5. Global Frameless Direct Drive Rotary Motor Sales by Type (2021-2026) & (K Units)

Table 6. Global Frameless Direct Drive Rotary Motor Sales Market Share by Type (2021-2026)

Table 7. Global Frameless Direct Drive Rotary Motor Revenue by Type (2021-2026) & (\$ million)

Table 8. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Type (2021-2026)

Table 9. Global Frameless Direct Drive Rotary Motor Sale Price by Type (2021-2026) & (US\$/Unit)

Table 10. Major Players of Natural Cooling

Table 11. Major Players of Air Cooling

Table 12. Major Players of Liquid Cooling/Water Cooling

Table 13. Global Frameless Direct Drive Rotary Motor Sales by Cooling Method (2021-2026) & (K Units)

Table 14. Global Frameless Direct Drive Rotary Motor Sales Market Share by Cooling Method (2021-2026)

Table 15. Global Frameless Direct Drive Rotary Motor Revenue by Cooling Method (2021-2026) & (\$ million)

Table 16. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Cooling Method (2021-2026)

Table 17. Global Frameless Direct Drive Rotary Motor Sale Price by Cooling Method (2021-2026) & (US\$/Unit)

Table 18. Major Players of Low/Medium Torque Type

Table 19. Major Players of High Torque Type

Table 20. Global Frameless Direct Drive Rotary Motor Sales by Torque Output (2021-2026) & (K Units)

Table 21. Global Frameless Direct Drive Rotary Motor Sales Market Share by Torque Output (2021-2026)

Table 22. Global Frameless Direct Drive Rotary Motor Revenue by Torque Output (2021-2026) & (\$ million)

Table 23. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Torque Output (2021-2026)

Table 24. Global Frameless Direct Drive Rotary Motor Sale Price by Torque Output (2021-2026) & (US\$/Unit)

Table 25. Global Frameless Direct Drive Rotary Motor Sale by Application (2021-2026) & (K Units)

Table 26. Global Frameless Direct Drive Rotary Motor Sale Market Share by Application (2021-2026)

Table 27. Global Frameless Direct Drive Rotary Motor Revenue by Application (2021-2026) & (\$ million)

Table 28. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Application (2021-2026)

Table 29. Global Frameless Direct Drive Rotary Motor Sale Price by Application (2021-2026) & (US\$/Unit)

Table 30. Global Frameless Direct Drive Rotary Motor Sales by Company (2021-2026) & (K Units)

Table 31. Global Frameless Direct Drive Rotary Motor Sales Market Share by Company (2021-2026)

Table 32. Global Frameless Direct Drive Rotary Motor Revenue by Company (2021-2026) & (\$ millions)

Table 33. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Company (2021-2026)

Table 34. Global Frameless Direct Drive Rotary Motor Sale Price by Company (2021-2026) & (US\$/Unit)

Table 35. Key Manufacturers Frameless Direct Drive Rotary Motor Producing Area Distribution and Sales Area

Table 36. Players Frameless Direct Drive Rotary Motor Products Offered

Table 37. Frameless Direct Drive Rotary Motor Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 38. New Products and Potential Entrants

Table 39. Market M&A Activity & Strategy

Table 40. Global Frameless Direct Drive Rotary Motor Sales by Geographic Region (2021-2026) & (K Units)

Table 41. Global Frameless Direct Drive Rotary Motor Sales Market Share Geographic Region (2021-2026)

Table 42. Global Frameless Direct Drive Rotary Motor Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 43. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Geographic Region (2021-2026)

Table 44. Global Frameless Direct Drive Rotary Motor Sales by Country/Region (2021-2026) & (K Units)

Table 45. Global Frameless Direct Drive Rotary Motor Sales Market Share by Country/Region (2021-2026)

Table 46. Global Frameless Direct Drive Rotary Motor Revenue by Country/Region (2021-2026) & (\$ millions)

Table 47. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Country/Region (2021-2026)

Table 48. Americas Frameless Direct Drive Rotary Motor Sales by Country (2021-2026) & (K Units)

Table 49. Americas Frameless Direct Drive Rotary Motor Sales Market Share by Country (2021-2026)

Table 50. Americas Frameless Direct Drive Rotary Motor Revenue by Country (2021-2026) & (\$ millions)

Table 51. Americas Frameless Direct Drive Rotary Motor Sales by Type (2021-2026) & (K Units)

Table 52. Americas Frameless Direct Drive Rotary Motor Sales by Application (2021-2026) & (K Units)

Table 53. APAC Frameless Direct Drive Rotary Motor Sales by Region (2021-2026) & (K Units)

Table 54. APAC Frameless Direct Drive Rotary Motor Sales Market Share by Region (2021-2026)

Table 55. APAC Frameless Direct Drive Rotary Motor Revenue by Region (2021-2026) & (\$ millions)

Table 56. APAC Frameless Direct Drive Rotary Motor Sales by Type (2021-2026) & (K Units)

Table 57. APAC Frameless Direct Drive Rotary Motor Sales by Application (2021-2026) & (K Units)

Table 58. Europe Frameless Direct Drive Rotary Motor Sales by Country (2021-2026) & (K Units)

Table 59. Europe Frameless Direct Drive Rotary Motor Revenue by Country (2021-2026) & (\$ millions)

Table 60. Europe Frameless Direct Drive Rotary Motor Sales by Type (2021-2026) & (K Units)

Table 61. Europe Frameless Direct Drive Rotary Motor Sales by Application (2021-2026) & (K Units)

Table 62. Middle East & Africa Frameless Direct Drive Rotary Motor Sales by Country

(2021-2026) & (K Units)

Table 63. Middle East & Africa Frameless Direct Drive Rotary Motor Revenue Market Share by Country (2021-2026)

Table 64. Middle East & Africa Frameless Direct Drive Rotary Motor Sales by Type (2021-2026) & (K Units)

Table 65. Middle East & Africa Frameless Direct Drive Rotary Motor Sales by Application (2021-2026) & (K Units)

Table 66. Key Market Drivers & Growth Opportunities of Frameless Direct Drive Rotary Motor

Table 67. Key Market Challenges & Risks of Frameless Direct Drive Rotary Motor

Table 68. Key Industry Trends of Frameless Direct Drive Rotary Motor

Table 69. Frameless Direct Drive Rotary Motor Raw Material

Table 70. Key Suppliers of Raw Materials

Table 71. Frameless Direct Drive Rotary Motor Distributors List

Table 72. Frameless Direct Drive Rotary Motor Customer List

Table 73. Global Frameless Direct Drive Rotary Motor Sales Forecast by Region (2027-2032) & (K Units)

Table 74. Global Frameless Direct Drive Rotary Motor Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 75. Americas Frameless Direct Drive Rotary Motor Sales Forecast by Country (2027-2032) & (K Units)

Table 76. Americas Frameless Direct Drive Rotary Motor Annual Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 77. APAC Frameless Direct Drive Rotary Motor Sales Forecast by Region (2027-2032) & (K Units)

Table 78. APAC Frameless Direct Drive Rotary Motor Annual Revenue Forecast by Region (2027-2032) & (\$ millions)

Table 79. Europe Frameless Direct Drive Rotary Motor Sales Forecast by Country (2027-2032) & (K Units)

Table 80. Europe Frameless Direct Drive Rotary Motor Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 81. Middle East & Africa Frameless Direct Drive Rotary Motor Sales Forecast by Country (2027-2032) & (K Units)

Table 82. Middle East & Africa Frameless Direct Drive Rotary Motor Revenue Forecast by Country (2027-2032) & (\$ millions)

Table 83. Global Frameless Direct Drive Rotary Motor Sales Forecast by Type (2027-2032) & (K Units)

Table 84. Global Frameless Direct Drive Rotary Motor Revenue Forecast by Type (2027-2032) & (\$ millions)

Table 85. Global Frameless Direct Drive Rotary Motor Sales Forecast by Application (2027-2032) & (K Units)

Table 86. Global Frameless Direct Drive Rotary Motor Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 87. Parker Hannifin Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 88. Parker Hannifin Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 89. Parker Hannifin Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 90. Parker Hannifin Main Business

Table 91. Parker Hannifin Latest Developments

Table 92. Kollmorgen Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 93. Kollmorgen Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 94. Kollmorgen Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 95. Kollmorgen Main Business

Table 96. Kollmorgen Latest Developments

Table 97. Allied Motion Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 98. Allied Motion Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 99. Allied Motion Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 100. Allied Motion Main Business

Table 101. Allied Motion Latest Developments

Table 102. Moog Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 103. Moog Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 104. Moog Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 105. Moog Main Business

Table 106. Moog Latest Developments

Table 107. ETEL Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 108. ETEL Frameless Direct Drive Rotary Motor Product Portfolios and

Specifications

Table 109. ETEL Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 110. ETEL Main Business

Table 111. ETEL Latest Developments

Table 112. ALXION Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 113. ALXION Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 114. ALXION Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 115. ALXION Main Business

Table 116. ALXION Latest Developments

Table 117. Novanta Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 118. Novanta Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 119. Novanta Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 120. Novanta Main Business

Table 121. Novanta Latest Developments

Table 122. Aerotech, Inc. Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 123. Aerotech, Inc. Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 124. Aerotech, Inc. Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 125. Aerotech, Inc. Main Business

Table 126. Aerotech, Inc. Latest Developments

Table 127. ThinGap Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 128. ThinGap Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 129. ThinGap Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 130. ThinGap Main Business

Table 131. ThinGap Latest Developments

Table 132. Delta Line Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 133. Delta Line Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 134. Delta Line Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 135. Delta Line Main Business

Table 136. Delta Line Latest Developments

Table 137. Maxon Group Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 138. Maxon Group Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 139. Maxon Group Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 140. Maxon Group Main Business

Table 141. Maxon Group Latest Developments

Table 142. Harmonic Drive Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 143. Harmonic Drive Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 144. Harmonic Drive Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 145. Harmonic Drive Main Business

Table 146. Harmonic Drive Latest Developments

Table 147. Akribis Systems Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 148. Akribis Systems Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 149. Akribis Systems Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 150. Akribis Systems Main Business

Table 151. Akribis Systems Latest Developments

Table 152. Tecnotion Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 153. Tecnotion Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 154. Tecnotion Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 155. Tecnotion Main Business

Table 156. Tecnotion Latest Developments

Table 157. Guangzhou Haozhi Industrial Basic Information, Frameless Direct Drive

Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 158. Guangzhou Haozhi Industrial Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 159. Guangzhou Haozhi Industrial Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 160. Guangzhou Haozhi Industrial Main Business

Table 161. Guangzhou Haozhi Industrial Latest Developments

Table 162. Kinco Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 163. Kinco Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 164. Kinco Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 165. Kinco Main Business

Table 166. Kinco Latest Developments

Table 167. HAN'S MOTOR Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 168. HAN'S MOTOR Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 169. HAN'S MOTOR Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 170. HAN'S MOTOR Main Business

Table 171. HAN'S MOTOR Latest Developments

Table 172. Sengle Electric Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 173. Sengle Electric Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 174. Sengle Electric Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 175. Sengle Electric Main Business

Table 176. Sengle Electric Latest Developments

Table 177. Suzhou Zhiwei Precision Drive Control Technology Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 178. Suzhou Zhiwei Precision Drive Control Technology Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 179. Suzhou Zhiwei Precision Drive Control Technology Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 180. Suzhou Zhiwei Precision Drive Control Technology Main Business
Table 181. Suzhou Zhiwei Precision Drive Control Technology Latest Developments
Table 182. Mosrac Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors
Table 183. Mosrac Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
Table 184. Mosrac Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 185. Mosrac Main Business
Table 186. Mosrac Latest Developments
Table 187. Viso Automation Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors
Table 188. Viso Automation Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
Table 189. Viso Automation Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 190. Viso Automation Main Business
Table 191. Viso Automation Latest Developments
Table 192. Shenzhen Dynamikwell Technology Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors
Table 193. Shenzhen Dynamikwell Technology Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
Table 194. Shenzhen Dynamikwell Technology Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 195. Shenzhen Dynamikwell Technology Main Business
Table 196. Shenzhen Dynamikwell Technology Latest Developments
Table 197. Suzhou VEICHI Electric Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors
Table 198. Suzhou VEICHI Electric Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
Table 199. Suzhou VEICHI Electric Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)
Table 200. Suzhou VEICHI Electric Main Business
Table 201. Suzhou VEICHI Electric Latest Developments
Table 202. Shanghai Darui Micromotor Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors
Table 203. Shanghai Darui Micromotor Frameless Direct Drive Rotary Motor Product Portfolios and Specifications
Table 204. Shanghai Darui Micromotor Frameless Direct Drive Rotary Motor Sales (K

Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 205. Shanghai Darui Micromotor Main Business

Table 206. Shanghai Darui Micromotor Latest Developments

Table 207. Suzhou Yan Machine Technology Basic Information, Frameless Direct Drive Rotary Motor Manufacturing Base, Sales Area and Its Competitors

Table 208. Suzhou Yan Machine Technology Frameless Direct Drive Rotary Motor Product Portfolios and Specifications

Table 209. Suzhou Yan Machine Technology Frameless Direct Drive Rotary Motor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 210. Suzhou Yan Machine Technology Main Business

Table 211. Suzhou Yan Machine Technology Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Frameless Direct Drive Rotary Motor
- Figure 2. Frameless Direct Drive Rotary Motor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Frameless Direct Drive Rotary Motor Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Frameless Direct Drive Rotary Motor Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Frameless Direct Drive Rotary Motor Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Frameless Direct Drive Rotary Motor Sales Market Share by Country/Region (2025)
- Figure 10. Frameless Direct Drive Rotary Motor Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Frameless External Rotor
- Figure 12. Product Picture of Frameless Internal Rotor
- Figure 13. Global Frameless Direct Drive Rotary Motor Sales Market Share by Type in 2026
- Figure 14. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Type (2021-2026)
- Figure 15. Product Picture of Natural Cooling
- Figure 16. Product Picture of Air Cooling
- Figure 17. Product Picture of Liquid Cooling/Water Cooling
- Figure 18. Global Frameless Direct Drive Rotary Motor Sales Market Share by Cooling Method in 2026
- Figure 19. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Cooling Method (2021-2026)
- Figure 20. Product Picture of Low/Medium Torque Type
- Figure 21. Product Picture of High Torque Type
- Figure 22. Global Frameless Direct Drive Rotary Motor Sales Market Share by Torque Output in 2026
- Figure 23. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Torque Output (2021-2026)
- Figure 24. Frameless Direct Drive Rotary Motor Consumed in Industrial Robots

Figure 25. Global Frameless Direct Drive Rotary Motor Market: Industrial Robots (2021-2026) & (K Units)

Figure 26. Frameless Direct Drive Rotary Motor Consumed in Medical Equipment

Figure 27. Global Frameless Direct Drive Rotary Motor Market: Medical Equipment (2021-2026) & (K Units)

Figure 28. Frameless Direct Drive Rotary Motor Consumed in Semiconductor Equipment

Figure 29. Global Frameless Direct Drive Rotary Motor Market: Semiconductor Equipment (2021-2026) & (K Units)

Figure 30. Frameless Direct Drive Rotary Motor Consumed in Machine Tools

Figure 31. Global Frameless Direct Drive Rotary Motor Market: Machine Tools (2021-2026) & (K Units)

Figure 32. Frameless Direct Drive Rotary Motor Consumed in Others

Figure 33. Global Frameless Direct Drive Rotary Motor Market: Others (2021-2026) & (K Units)

Figure 34. Global Frameless Direct Drive Rotary Motor Sale Market Share by Application (2025)

Figure 35. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Application in 2025

Figure 36. Frameless Direct Drive Rotary Motor Sales by Company in 2025 (K Units)

Figure 37. Global Frameless Direct Drive Rotary Motor Sales Market Share by Company in 2025

Figure 38. Frameless Direct Drive Rotary Motor Revenue by Company in 2025 (\$ millions)

Figure 39. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Company in 2025

Figure 40. Global Frameless Direct Drive Rotary Motor Sales Market Share by Geographic Region (2021-2026)

Figure 41. Global Frameless Direct Drive Rotary Motor Revenue Market Share by Geographic Region in 2025

Figure 42. Americas Frameless Direct Drive Rotary Motor Sales 2021-2026 (K Units)

Figure 43. Americas Frameless Direct Drive Rotary Motor Revenue 2021-2026 (\$ millions)

Figure 44. APAC Frameless Direct Drive Rotary Motor Sales 2021-2026 (K Units)

Figure 45. APAC Frameless Direct Drive Rotary Motor Revenue 2021-2026 (\$ millions)

Figure 46. Europe Frameless Direct Drive Rotary Motor Sales 2021-2026 (K Units)

Figure 47. Europe Frameless Direct Drive Rotary Motor Revenue 2021-2026 (\$ millions)

Figure 48. Middle East & Africa Frameless Direct Drive Rotary Motor Sales 2021-2026 (K Units)

Figure 49. Middle East & Africa Frameless Direct Drive Rotary Motor Revenue 2021-2026 (\$ millions)

Figure 50. Americas Frameless Direct Drive Rotary Motor Sales Market Share by Country in 2025

Figure 51. Americas Frameless Direct Drive Rotary Motor Revenue Market Share by Country (2021-2026)

Figure 52. Americas Frameless Direct Drive Rotary Motor Sales Market Share by Type (2021-2026)

Figure 53. Americas Frameless Direct Drive Rotary Motor Sales Market Share by Application (2021-2026)

Figure 54. United States Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 55. Canada Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 56. Mexico Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 57. Brazil Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 58. APAC Frameless Direct Drive Rotary Motor Sales Market Share by Region in 2025

Figure 59. APAC Frameless Direct Drive Rotary Motor Revenue Market Share by Region (2021-2026)

Figure 60. APAC Frameless Direct Drive Rotary Motor Sales Market Share by Type (2021-2026)

Figure 61. APAC Frameless Direct Drive Rotary Motor Sales Market Share by Application (2021-2026)

Figure 62. China Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 63. Japan Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 64. South Korea Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 65. Southeast Asia Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 66. India Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 67. Australia Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 68. China Taiwan Frameless Direct Drive Rotary Motor Revenue Growth

2021-2026 (\$ millions)

Figure 69. Europe Frameless Direct Drive Rotary Motor Sales Market Share by Country in 2025

Figure 70. Europe Frameless Direct Drive Rotary Motor Revenue Market Share by Country (2021-2026)

Figure 71. Europe Frameless Direct Drive Rotary Motor Sales Market Share by Type (2021-2026)

Figure 72. Europe Frameless Direct Drive Rotary Motor Sales Market Share by Application (2021-2026)

Figure 73. Germany Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 74. France Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 75. UK Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 76. Italy Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 77. Russia Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 78. Middle East & Africa Frameless Direct Drive Rotary Motor Sales Market Share by Country (2021-2026)

Figure 79. Middle East & Africa Frameless Direct Drive Rotary Motor Sales Market Share by Type (2021-2026)

Figure 80. Middle East & Africa Frameless Direct Drive Rotary Motor Sales Market Share by Application (2021-2026)

Figure 81. Egypt Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 82. South Africa Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 83. Israel Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 84. Turkey Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 85. GCC Countries Frameless Direct Drive Rotary Motor Revenue Growth 2021-2026 (\$ millions)

Figure 86. Manufacturing Cost Structure Analysis of Frameless Direct Drive Rotary Motor in 2026

Figure 87. Manufacturing Process Analysis of Frameless Direct Drive Rotary Motor

Figure 88. Industry Chain Structure of Frameless Direct Drive Rotary Motor

Figure 89. Channels of Distribution

Figure 90. Global Frameless Direct Drive Rotary Motor Sales Market Forecast by Region (2027-2032)

Figure 91. Global Frameless Direct Drive Rotary Motor Revenue Market Share Forecast by Region (2027-2032)

Figure 92. Global Frameless Direct Drive Rotary Motor Sales Market Share Forecast by Type (2027-2032)

Figure 93. Global Frameless Direct Drive Rotary Motor Revenue Market Share Forecast by Type (2027-2032)

Figure 94. Global Frameless Direct Drive Rotary Motor Sales Market Share Forecast by Application (2027-2032)

Figure 95. Global Frameless Direct Drive Rotary Motor Revenue Market Share Forecast by Application (2027-2032)

I would like to order

Product name: Global Frameless Direct Drive Rotary Motor Market Growth 2026-2032

Product link: <https://marketpublishers.com/r/GF2D8FEC1926EN.html>

Price: US\$ 3,660.00 (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/GF2D8FEC1926EN.html>