

Global Frameless Brushless DC Motors Market Size, Manufacturers, Opportunities and Forecast to 2030

<https://marketpublishers.com/r/G50841CD20F3EN.html>

Date: April 2024

Pages: 103

Price: US\$ 3,450.00 (Single User License)

ID: G50841CD20F3EN

Abstracts

Brushless DC electric motor (BLDC motors, BL motors) also known as electronically commutated motors (ECMs, EC motors), or synchronous DC motors, are synchronous motors powered by DC electricity via an inverter or switching power supply which produces an AC electric current to drive each phase of the motor via a closed loop controller. The controller provides pulses of current to the motor windings that control the speed and torque of the motor.

For example, in components space and weight are a prime concern, with standard solutions coming up against their limits. For this reason, motor is offering its brushless motors as frameless motor kits. Rotors and stators are delivered separately – without bearings or motorshaft – and connected only when the components are assembled. In this way, customers achieve the best of both worlds: high torque density and minimum volume.

According to APO Research, The global Frameless Brushless DC Motors market was estimated at US\$ million in 2023 and is projected to reach a revised size of US\$ million by 2030, witnessing a CAGR of xx% during the forecast period 2024-2030.

Global Frameless Brushless DC Motors key players include Kollmorgen, Moog, Maxon Motor, BEI Kimco, Shinano Kenshi, etc. Global top five manufacturers hold a share about 50%.

North America is the largest market, with a share over 35%, followed by China, and Europe, both have a share about 40 percent.

In terms of product, 12V-24V is the largest segment, with a share nearly 50%. And in

terms of application, the largest application is Industrial Automation, followed by Aerospace and Defense, Medical Device, etc.

Report Scope

This report aims to provide a comprehensive presentation of the global market for Frameless Brushless DC Motors, with both quantitative and qualitative analysis, to help readers develop business/growth strategies, assess the market competitive situation, analyze their position in the current marketplace, and make informed business decisions regarding Frameless Brushless DC Motors.

The Frameless Brushless DC Motors market size, estimations, and forecasts are provided in terms of sales volume (MW) and revenue (\$ millions), considering 2023 as the base year, with history and forecast data for the period from 2019 to 2030. This report segments the global Frameless Brushless DC Motors market comprehensively. Regional market sizes, concerning products by Type, by Application, and by players, are also provided. For a more in-depth understanding of the market, the report provides profiles of the competitive landscape, key competitors, and their respective market ranks. The report also discusses technological trends and new product developments.

Key Companies & Market Share Insights

In this section, the readers will gain an understanding of the key players competing. This report has studied the key growth strategies, such as innovative trends and developments, intensification of product portfolio, mergers and acquisitions, collaborations, new product innovation, and geographical expansion, undertaken by these participants to maintain their presence. Apart from business strategies, the study includes current developments and key financials. The readers will also get access to the data related to global revenue, price, and sales by manufacturers for the period 2019-2024. This all-inclusive report will certainly serve the clients to stay updated and make effective decisions in their businesses. Some of the prominent players reviewed in the research report include:

Kollmorgen

Moog

Maxon Motor

BEI Kimco

Woodward

Shinano Kenshi

Johnson Electric

Portescap

Skurka Aerospace

Servotecnica

Mclennan

Aerotech

ARC Systems

Frameless Brushless DC Motors segment by Type

12V-24V

24V-48V

Others

Frameless Brushless DC Motors segment by Application

Industrial Automation

Medical Device

Aerospace & Defense

Others

Frameless Brushless DC Motors Segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Key Drivers & Barriers

High-impact rendering factors and drivers have been studied in this report to aid the readers to understand the general development. Moreover, the report includes restraints and challenges that may act as stumbling blocks on the way of the players. This will assist the users to be attentive and make informed decisions related to business. Specialists have also laid their focus on the upcoming business prospects.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Frameless Brushless DC Motors market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends

of Frameless Brushless DC Motors and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market

5. This report helps stakeholders to gain insights into which regions to target globally

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Frameless Brushless DC Motors.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the study scope of this report, executive summary of market segments by type, market size segments for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 2: Introduces the market dynamics, 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 3: Detailed analysis of Frameless Brushless DC Motors manufacturers competitive landscape, price, sales, revenue, market share and ranking, latest development plan, merger, and acquisition information, etc.

Chapter 4: Sales, revenue of Frameless Brushless DC Motors in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the future development prospects, and market space in the world.

Chapter 5: Introduces market segments by application, market size segment for North America, Europe, Asia Pacific, Latin America, Middle East & Africa.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 7, 8, 9, 10 and 11: North America, Europe, Asia Pacific, Latin America, Middle East & Africa, sales and revenue by country.

Chapter 12: Analysis of industrial chain, key raw materials, manufacturing cost, and market dynamics.

Chapter 13: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

1.1 Product Definition

1.2 Global Market Growth Prospects

1.2.1 Global Frameless Brushless DC Motors Market Size Estimates and Forecasts (2019-2030)

1.2.2 Global Frameless Brushless DC Motors Sales Estimates and Forecasts (2019-2030)

1.3 Frameless Brushless DC Motors Market by Type

1.3.1 12V-24V

1.3.2 24V-48V

1.3.3 Others

1.4 Global Frameless Brushless DC Motors Market Size by Type

1.4.1 Global Frameless Brushless DC Motors Market Size Overview by Type (2019-2030)

1.4.2 Global Frameless Brushless DC Motors Historic Market Size Review by Type (2019-2024)

1.4.3 Global Frameless Brushless DC Motors Forecasted Market Size by Type (2025-2030)

1.5 Key Regions Market Size by Type

1.5.1 North America Frameless Brushless DC Motors Sales Breakdown by Type (2019-2024)

1.5.2 Europe Frameless Brushless DC Motors Sales Breakdown by Type (2019-2024)

1.5.3 Asia-Pacific Frameless Brushless DC Motors Sales Breakdown by Type (2019-2024)

1.5.4 Latin America Frameless Brushless DC Motors Sales Breakdown by Type (2019-2024)

1.5.5 Middle East and Africa Frameless Brushless DC Motors Sales Breakdown by Type (2019-2024)

2 GLOBAL MARKET DYNAMICS

2.1 Frameless Brushless DC Motors Industry Trends

2.2 Frameless Brushless DC Motors Industry Drivers

2.3 Frameless Brushless DC Motors Industry Opportunities and Challenges

2.4 Frameless Brushless DC Motors Industry Restraints

3 MARKET COMPETITIVE LANDSCAPE BY COMPANY

- 3.1 Global Top Players by Frameless Brushless DC Motors Revenue (2019-2024)
- 3.2 Global Top Players by Frameless Brushless DC Motors Sales (2019-2024)
- 3.3 Global Top Players by Frameless Brushless DC Motors Price (2019-2024)
- 3.4 Global Frameless Brushless DC Motors Industry Company Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Frameless Brushless DC Motors Key Company Manufacturing Sites & Headquarters
- 3.6 Global Frameless Brushless DC Motors Company, Product Type & Application
- 3.7 Global Frameless Brushless DC Motors Company Commercialization Time
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Frameless Brushless DC Motors Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Frameless Brushless DC Motors Players Market Share by Revenue in 2023
 - 3.8.3 2023 Frameless Brushless DC Motors Tier 1, Tier 2, and Tier

4 FRAMELESS BRUSHLESS DC MOTORS REGIONAL STATUS AND OUTLOOK

- 4.1 Global Frameless Brushless DC Motors Market Size and CAGR by Region: 2019 VS 2023 VS 2030
- 4.2 Global Frameless Brushless DC Motors Historic Market Size by Region
 - 4.2.1 Global Frameless Brushless DC Motors Sales in Volume by Region (2019-2024)
 - 4.2.2 Global Frameless Brushless DC Motors Sales in Value by Region (2019-2024)
 - 4.2.3 Global Frameless Brushless DC Motors Sales (Volume & Value), Price and Gross Margin (2019-2024)
- 4.3 Global Frameless Brushless DC Motors Forecasted Market Size by Region
 - 4.3.1 Global Frameless Brushless DC Motors Sales in Volume by Region (2025-2030)
 - 4.3.2 Global Frameless Brushless DC Motors Sales in Value by Region (2025-2030)
 - 4.3.3 Global Frameless Brushless DC Motors Sales (Volume & Value), Price and Gross Margin (2025-2030)

5 FRAMELESS BRUSHLESS DC MOTORS BY APPLICATION

- 5.1 Frameless Brushless DC Motors Market by Application
 - 5.1.1 Industrial Automation
 - 5.1.2 Medical Device
 - 5.1.3 Aerospace & Defense
 - 5.1.4 Others

5.2 Global Frameless Brushless DC Motors Market Size by Application

5.2.1 Global Frameless Brushless DC Motors Market Size Overview by Application (2019-2030)

5.2.2 Global Frameless Brushless DC Motors Historic Market Size Review by Application (2019-2024)

5.2.3 Global Frameless Brushless DC Motors Forecasted Market Size by Application (2025-2030)

5.3 Key Regions Market Size by Application

5.3.1 North America Frameless Brushless DC Motors Sales Breakdown by Application (2019-2024)

5.3.2 Europe Frameless Brushless DC Motors Sales Breakdown by Application (2019-2024)

5.3.3 Asia-Pacific Frameless Brushless DC Motors Sales Breakdown by Application (2019-2024)

5.3.4 Latin America Frameless Brushless DC Motors Sales Breakdown by Application (2019-2024)

5.3.5 Middle East and Africa Frameless Brushless DC Motors Sales Breakdown by Application (2019-2024)

6 COMPANY PROFILES

6.1 Kollmorgen

6.1.1 Kollmorgen Company Information

6.1.2 Kollmorgen Business Overview

6.1.3 Kollmorgen Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)

6.1.4 Kollmorgen Frameless Brushless DC Motors Product Portfolio

6.1.5 Kollmorgen Recent Developments

6.2 Moog

6.2.1 Moog Company Information

6.2.2 Moog Business Overview

6.2.3 Moog Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)

6.2.4 Moog Frameless Brushless DC Motors Product Portfolio

6.2.5 Moog Recent Developments

6.3 Maxon Motor

6.3.1 Maxon Motor Company Information

6.3.2 Maxon Motor Business Overview

6.3.3 Maxon Motor Frameless Brushless DC Motors Sales, Revenue and Gross

Margin (2019-2024)

6.3.4 Maxon Motor Frameless Brushless DC Motors Product Portfolio

6.3.5 Maxon Motor Recent Developments

6.4 BEI Kimco

6.4.1 BEI Kimco Company Information

6.4.2 BEI Kimco Business Overview

6.4.3 BEI Kimco Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)

6.4.4 BEI Kimco Frameless Brushless DC Motors Product Portfolio

6.4.5 BEI Kimco Recent Developments

6.5 Woodward

6.5.1 Woodward Company Information

6.5.2 Woodward Business Overview

6.5.3 Woodward Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)

6.5.4 Woodward Frameless Brushless DC Motors Product Portfolio

6.5.5 Woodward Recent Developments

6.6 Shinano Kenshi

6.6.1 Shinano Kenshi Company Information

6.6.2 Shinano Kenshi Business Overview

6.6.3 Shinano Kenshi Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)

6.6.4 Shinano Kenshi Frameless Brushless DC Motors Product Portfolio

6.6.5 Shinano Kenshi Recent Developments

6.7 Johnson Electric

6.7.1 Johnson Electric Company Information

6.7.2 Johnson Electric Business Overview

6.7.3 Johnson Electric Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)

6.7.4 Johnson Electric Frameless Brushless DC Motors Product Portfolio

6.7.5 Johnson Electric Recent Developments

6.8 Portescap

6.8.1 Portescap Company Information

6.8.2 Portescap Business Overview

6.8.3 Portescap Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)

6.8.4 Portescap Frameless Brushless DC Motors Product Portfolio

6.8.5 Portescap Recent Developments

6.9 Skurka Aerospace

- 6.9.1 Skurka Aerospace Comapny Information
- 6.9.2 Skurka Aerospace Business Overview
- 6.9.3 Skurka Aerospace Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)
- 6.9.4 Skurka Aerospace Frameless Brushless DC Motors Product Portfolio
- 6.9.5 Skurka Aerospace Recent Developments
- 6.10 Servotecnica
 - 6.10.1 Servotecnica Comapny Information
 - 6.10.2 Servotecnica Business Overview
 - 6.10.3 Servotecnica Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)
 - 6.10.4 Servotecnica Frameless Brushless DC Motors Product Portfolio
 - 6.10.5 Servotecnica Recent Developments
- 6.11 Mclennan
 - 6.11.1 Mclennan Comapny Information
 - 6.11.2 Mclennan Business Overview
 - 6.11.3 Mclennan Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)
 - 6.11.4 Mclennan Frameless Brushless DC Motors Product Portfolio
 - 6.11.5 Mclennan Recent Developments
- 6.12 Aerotech
 - 6.12.1 Aerotech Comapny Information
 - 6.12.2 Aerotech Business Overview
 - 6.12.3 Aerotech Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)
 - 6.12.4 Aerotech Frameless Brushless DC Motors Product Portfolio
 - 6.12.5 Aerotech Recent Developments
- 6.13 ARC Systems
 - 6.13.1 ARC Systems Comapny Information
 - 6.13.2 ARC Systems Business Overview
 - 6.13.3 ARC Systems Frameless Brushless DC Motors Sales, Revenue and Gross Margin (2019-2024)
 - 6.13.4 ARC Systems Frameless Brushless DC Motors Product Portfolio
 - 6.13.5 ARC Systems Recent Developments

7 NORTH AMERICA BY COUNTRY

- 7.1 North America Frameless Brushless DC Motors Sales by Country
 - 7.1.1 North America Frameless Brushless DC Motors Sales Growth Rate (CAGR) by

Country: 2019 VS 2023 VS 2030

7.1.2 North America Frameless Brushless DC Motors Sales by Country (2019-2024)

7.1.3 North America Frameless Brushless DC Motors Sales Forecast by Country (2025-2030)

7.2 North America Frameless Brushless DC Motors Market Size by Country

7.2.1 North America Frameless Brushless DC Motors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

7.2.2 North America Frameless Brushless DC Motors Market Size by Country (2019-2024)

7.2.3 North America Frameless Brushless DC Motors Market Size Forecast by Country (2025-2030)

8 EUROPE BY COUNTRY

8.1 Europe Frameless Brushless DC Motors Sales by Country

8.1.1 Europe Frameless Brushless DC Motors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.1.2 Europe Frameless Brushless DC Motors Sales by Country (2019-2024)

8.1.3 Europe Frameless Brushless DC Motors Sales Forecast by Country (2025-2030)

8.2 Europe Frameless Brushless DC Motors Market Size by Country

8.2.1 Europe Frameless Brushless DC Motors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

8.2.2 Europe Frameless Brushless DC Motors Market Size by Country (2019-2024)

8.2.3 Europe Frameless Brushless DC Motors Market Size Forecast by Country (2025-2030)

9 ASIA-PACIFIC BY COUNTRY

9.1 Asia-Pacific Frameless Brushless DC Motors Sales by Country

9.1.1 Asia-Pacific Frameless Brushless DC Motors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.1.2 Asia-Pacific Frameless Brushless DC Motors Sales by Country (2019-2024)

9.1.3 Asia-Pacific Frameless Brushless DC Motors Sales Forecast by Country (2025-2030)

9.2 Asia-Pacific Frameless Brushless DC Motors Market Size by Country

9.2.1 Asia-Pacific Frameless Brushless DC Motors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

9.2.2 Asia-Pacific Frameless Brushless DC Motors Market Size by Country (2019-2024)

9.2.3 Asia-Pacific Frameless Brushless DC Motors Market Size Forecast by Country (2025-2030)

10 LATIN AMERICA BY COUNTRY

10.1 Latin America Frameless Brushless DC Motors Sales by Country

10.1.1 Latin America Frameless Brushless DC Motors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.1.2 Latin America Frameless Brushless DC Motors Sales by Country (2019-2024)

10.1.3 Latin America Frameless Brushless DC Motors Sales Forecast by Country (2025-2030)

10.2 Latin America Frameless Brushless DC Motors Market Size by Country

10.2.1 Latin America Frameless Brushless DC Motors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

10.2.2 Latin America Frameless Brushless DC Motors Market Size by Country (2019-2024)

10.2.3 Latin America Frameless Brushless DC Motors Market Size Forecast by Country (2025-2030)

11 MIDDLE EAST AND AFRICA BY COUNTRY

11.1 Middle East and Africa Frameless Brushless DC Motors Sales by Country

11.1.1 Middle East and Africa Frameless Brushless DC Motors Sales Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.1.2 Middle East and Africa Frameless Brushless DC Motors Sales by Country (2019-2024)

11.1.3 Middle East and Africa Frameless Brushless DC Motors Sales Forecast by Country (2025-2030)

11.2 Middle East and Africa Frameless Brushless DC Motors Market Size by Country

11.2.1 Middle East and Africa Frameless Brushless DC Motors Market Size Growth Rate (CAGR) by Country: 2019 VS 2023 VS 2030

11.2.2 Middle East and Africa Frameless Brushless DC Motors Market Size by Country (2019-2024)

11.2.3 Middle East and Africa Frameless Brushless DC Motors Market Size Forecast by Country (2025-2030)

12 VALUE CHAIN AND SALES CHANNELS ANALYSIS

12.1 Frameless Brushless DC Motors Value Chain Analysis

- 12.1.1 Frameless Brushless DC Motors Key Raw Materials
- 12.1.2 Key Raw Materials Price
- 12.1.3 Raw Materials Key Suppliers
- 12.1.4 Manufacturing Cost Structure
- 12.1.5 Frameless Brushless DC Motors Production Mode & Process
- 12.2 Frameless Brushless DC Motors Sales Channels Analysis
 - 12.2.1 Direct Comparison with Distribution Share
 - 12.2.2 Frameless Brushless DC Motors Distributors
 - 12.2.3 Frameless Brushless DC Motors Customers

13 CONCLUDING INSIGHTS

14 APPENDIX

- 14.1 Reasons for Doing This Study
- 14.2 Research Methodology
- 14.3 Research Process
- 14.4 Authors List of This Report
- 14.5 Data Source
 - 14.5.1 Secondary Sources
 - 14.5.2 Primary Sources
- 14.6 Disclaimer

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