

# Global Frameless Brushless DC Motors Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Frameless Brushless DC Motors market size is expected to reach \$ 330 million by 2032, rising at a market growth of 3.1% CAGR during the forecast period (2026-2032).

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.

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.

This report studies the global Frameless Brushless DC Motors production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Frameless Brushless DC Motors and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Frameless Brushless DC Motors that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Frameless Brushless DC Motors total production and demand, 2021-2032, (MW)  
Global Frameless Brushless DC Motors total production value, 2021-2032, (USD Million)

Global Frameless Brushless DC Motors production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MW), (based on production site)

Global Frameless Brushless DC Motors consumption by region & country, CAGR, 2021-2032 & (MW)

U.S. VS China: Frameless Brushless DC Motors domestic production, consumption, key domestic manufacturers and share

Global Frameless Brushless DC Motors production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MW)

Global Frameless Brushless DC Motors production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MW)

Global Frameless Brushless DC Motors production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MW)

This report profiles key players in the global Frameless Brushless DC Motors market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Kollmorgen, Moog, Maxon Motor, BEI Kimco, Woodward, Shinano Kenshi, Johnson Electric, Portescap, Skurka Aerospace, Servotecnica, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Frameless Brushless DC Motors market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MW) and average price (USD/KW) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### **Global Frameless Brushless DC Motors Market, By Region:**

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### **Global Frameless Brushless DC Motors Market, Segmentation by Type:**

12V-24V

24V-48V

Others

## Global Frameless Brushless DC Motors Market, Segmentation by Application:

Industrial Automation

Medical Device

Aerospace & Defense

Others

## Companies Profiled:

Kollmorgen

Moog

Maxon Motor

BEI Kimco

Woodward

Shinano Kenshi

Johnson Electric

Portescap

Skurka Aerospace

Servotecnica

Mclennan

Aerotech

ARC Systems

**Key Questions Answered:**

1. How big is the global Frameless Brushless DC Motors market?
2. What is the demand of the global Frameless Brushless DC Motors market?
3. What is the year over year growth of the global Frameless Brushless DC Motors market?
4. What is the production and production value of the global Frameless Brushless DC Motors market?
5. Who are the key producers in the global Frameless Brushless DC Motors market?
6. What are the growth factors driving the market demand?

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