

# Global Micro Brushless Coreless Motor Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Micro Brushless Coreless Motor market size is expected to reach \$ 1644 million by 2032, rising at a market growth of 48.8% CAGR during the forecast period (2026-2032).

Micro Brushless Coreless Motors are characterized by an ironless stator structure with a cup-shaped winding, eliminating core losses to achieve superior energy conversion efficiency and minimal electromagnetic interference compared to traditional motors. The 'micro' designation emphasizes a compact diameter typically not exceeding 40mm, which drastically reduces weight and rotational inertia to enable high-speed rotation and rapid dynamic response necessary for precise control. By utilizing electronic commutation via Hall sensors, these motors overcome the wear and maintenance limitations of brushed counterparts, ensuring extended operational lifespan and stable running characteristics under varying loads. This architecture facilitates high power density and low friction operation, making it an ideal solution for applications demanding strict space constraints and high-performance servo control. In 2025, global Micro Brushless Coreless Motor production reached approximately 445 k units with an average global market price of around US\$220 per unit.

This report studies the global Micro Brushless Coreless Motor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Micro Brushless Coreless Motor 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 Micro Brushless Coreless Motor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Micro Brushless Coreless Motor total production and demand, 2021-2032, (K Units)

Global Micro Brushless Coreless Motor total production value, 2021-2032, (USD Million)

Global Micro Brushless Coreless Motor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Micro Brushless Coreless Motor consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Micro Brushless Coreless Motor domestic production, consumption, key domestic manufacturers and share

Global Micro Brushless Coreless Motor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Micro Brushless Coreless Motor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Micro Brushless Coreless Motor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Micro Brushless Coreless Motor 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 Maxon, Portescap, FAULHABER, Orbray, Allied Motion, Nanotec, NIDEC, ISL Products, C.I. Takiron Corporation, Citizen Chiba Precision, 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 Micro Brushless Coreless Motor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) 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 Micro Brushless Coreless Motor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

## Global Micro Brushless Coreless Motor Market, Segmentation by Type:

?5,000 rpm

5,000–15,000 rpm

15,000–40,000 rpm

?40,000 rpm

## Global Micro Brushless Coreless Motor Market, Segmentation by Rotor Design:

Inner-rotor Brushless Coreless Motor

Outer-rotor Brushless Coreless Motor

## Global Micro Brushless Coreless Motor Market, Segmentation by Application:

Automotive

Industrial Robots

Semiconductor Equipment

Optical Equipment

Other Industrial Equipments

#### Companies Profiled:

Maxon

Portescap

FAULHABER

Orbray

Allied Motion

Nanotec

NIDEC

ISL Products

C.I. Takiron Corporation

Citizen Chiba Precision

MOONS' ELECTRIC

DINGS' Intelligent Control Technology

ZHAOWEI Machinery & Electronics

Shenzhen Topband Motor

Suzhou Veichi Electric

Assun Motor

Shen Zhen Ke Gu Technology

Shenzhen Vishan Technology

Sinbad Motor

Wanzhida Motor Manufacturing

#### Key Questions Answered:

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

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