

Global Outer Rotor Frameless Motor Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G05334CC38CDEN.html>

Date: August 2026

Pages: 155

Price: US\$ 4,480.00 (Single User License)

ID: G05334CC38CDEN

Abstracts

The global Outer Rotor Frameless Motor market size is expected to reach \$ 407 million by 2032, rising at a market growth of 9.4% CAGR during the forecast period (2026-2032).

Outer Rotor Frameless Motor (or frameless outrunner torque motor) is a frameless permanent magnet synchronous motor/frameless torque motor with the rotor on the outside and the stator on the inside. It is typically supplied only as a stator and outer rotor, without a complete motor housing, end caps, bearings, output shaft, and reduction gear mechanism. Customers must integrate it into robot joints, actuators, turntables, or equipment structures.

This report studies the global Outer Rotor Frameless Motor production, demand, key manufacturers, and key regions.

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

Highlights and key features of the study

Global Outer Rotor Frameless Motor total production and demand, 2021-2032, (K Units)

Global Outer Rotor Frameless Motor total production value, 2021-2032, (USD Million)

Global Outer Rotor Frameless Motor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Outer Rotor Frameless Motor consumption by region & country, CAGR,

2021-2032 & (K Units)

U.S. VS China: Outer Rotor Frameless Motor domestic production, consumption, key domestic manufacturers and share

Global Outer Rotor Frameless Motor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Outer Rotor Frameless Motor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Outer Rotor Frameless Motor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Outer Rotor Frameless 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 Nidec, Parker, Kollmorgen (Regal Rexnord), Allied Motion, Maxon Group, TQ-Group, Mabuchi Motor, Wittenstein, ShinMaywa Industries, Kinco, 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 Outer Rotor Frameless 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 Outer Rotor Frameless Motor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Outer Rotor Frameless Motor Market, Segmentation by Type:

Rated Torque: 1 Nm and Below

Rated Torque: Above 1 Nm

Global Outer Rotor Frameless Motor Market, Segmentation by Outer Diameter:

50mm and Below

Greater Than 50mm

Global Outer Rotor Frameless Motor Market, Segmentation by Voltage:

Low Voltage (96V and Below)

Medium Voltage (100-400V)

Global Outer Rotor Frameless Motor Market, Segmentation by Application:

Robotics

Semiconductors and Precision Manufacturing

Aerospace and Defense

Medical

Other

Companies Profiled:

Nidec

Parker

Kollmorgen (Regal Rexnord)

Allied Motion

Maxon Group

TQ-Group

Mabuchi Motor

Wittenstein

ShinMaywa Industries

Kinco

Inovance Group

Moons'

Leadshine

Mosrac

Wolong Electric

Zhejiang Hechuan

Suzhou Veichi Electric

Guangzhou Haozhi

Han's Laser

CubeMars

Key Questions Answered:

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

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