

Global Hollow Frameless Motor Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Hollow Frameless Motor market size will reach 917.42 Million USD in 2025 and is projected to reach 1,982.93 Million USD by 2032, with a CAGR of 11.64% (2025-2032). Notably, the China Hollow Frameless Motor market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

A hollow frameless motor is a type of electric motor designed to provide high performance in a compact and lightweight form factor, with the rotor and stator arranged in a way that eliminates the need for a traditional housing or frame. This design allows the motor to be integrated directly into machinery or equipment, maximizing available space and reducing overall weight. Hollow frameless motors feature a cylindrical design, often with a hollow shaft that can accommodate other components, such as sensors or cables, enhancing their versatility in applications where space is at a premium. They are commonly used in robotics, medical devices, aerospace, and industrial automation, where precision, efficiency, and weight savings are crucial. The frameless design also contributes to improved thermal management and higher torque density, making them an attractive choice for high-performance motion control applications.

The major global manufacturers of Hollow Frameless Motor include Mabuchi Motor, ShinMaywa Industries, Nidec, Aerotech, Maxon Group, Kollmorgen (Regal Rexnord),

Wittenstein, TQ-Group, Tecnotion, Parker Hannifin, Lin Engineering (MOONS), Hangzhou 3Phis Technology, Celera Motion (Novanta), Delta Line, Rozum Robotics, Allied Motion Technologies, Kinavo Servo Motor (Changzhou), Shanghai Darui Micromotor, Rostek (Changzhou) Electromechanical, Suzhou Yan Machine Technology, Guangzhou Haozhi Industrial, Kinco, Leadshine Technology, MyActuator (Suzhou Micro Actuator Technology), etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Hollow Frameless Motor. Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Hollow Frameless Motor market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Hollow Frameless Motor market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Hollow Frameless Motor industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Hollow Frameless Motor Include:

Mabuchi Motor

ShinMaywa Industries

Nidec

Aerotech

Maxon Group

Kollmorgen (Regal Rexnord)

Wittenstein

TQ-Group

Tecnotion

Parker Hannifin

Lin Engineering (MOONS)

Hangzhou 3Phis Technology

Celera Motion (Novanta)

Delta Line

Rozum Robotics

Allied Motion Technologies

Kinavo Servo Motor (Changzhou)

Shanghai Darui Micromotor

Rostek (Changzhou) Electromechanical

Suzhou Yan Machine Technology

Guangzhou Haozhi Industrial

Kinco

Leadshine Technology

MyActuator (Suzhou Micro Actuator Technology)

Hollow Frameless Motor Product Segment Include:

Outer Diameter, below 50 mm

Outer Diameter, 50-100 mm

Outer Diameter, above 100 mm

Hollow Frameless Motor Product Application Include:

Industrial Automation and Robotics

Medical

Aerospace

Others

Chapter Scope

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