

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

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Abstracts

The global Humanoid Frameless Motor market size is expected to reach \$ 517 million by 2032, rising at a market growth of 22.1% CAGR during the forecast period (2026-2032).

Humanoid Frameless Motor generally refer to frameless torque motors/frameless servo motors used in the joint actuators of humanoid robots. They are not complete 'enclosed motors,' but are supplied as a stator + rotor assembly. They typically do not include the housing, end caps, bearings, output shafts, encoders, and brakes, and must be integrated into the robot joint module.

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

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

Highlights and key features of the study

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

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

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

Global Humanoid Frameless Motor consumption by region & country, CAGR, 2021-2032 & (K Units)

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

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

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

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

This report profiles key players in the global Humanoid 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 Humanoid 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 Humanoid Frameless Motor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Humanoid Frameless Motor Market, Segmentation by Type:

48V

24V

Other

Global Humanoid Frameless Motor Market, Segmentation by Use:

For Rotary Actuator

For Linear Actuator

Global Humanoid Frameless Motor Market, Segmentation by Outer Diameter:

50mm and Below

Greater Than 50mm

Global Humanoid Frameless Motor Market, Segmentation by Application:

Robot Joints

Dexterous Hands

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

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