

Global Humanoid Frameless Motor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Humanoid Frameless Motor market size was valued at US\$ 64.82 million in 2025 and is forecast to a readjusted size of US\$ 517 million by 2032 with a CAGR of 22.1% during review period.

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 is a detailed and comprehensive analysis for global Humanoid Frameless Motor market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Humanoid Frameless Motor market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Humanoid Frameless Motor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices

(US\$/Unit), 2021-2032

Global Humanoid Frameless Motor market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Humanoid Frameless Motor market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Humanoid Frameless Motor

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Humanoid Frameless Motor market based on the following parameters - company overview, sales quantity, revenue, 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.

Market Segmentation

Humanoid Frameless Motor market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

48V

24V

Other

Market segment by Use

For Rotary Actuator

For Linear Actuator

Market segment by Outer Diameter

50mm and Below

Greater Than 50mm

Market segment by Application

Robot Joints

Dexterous Hands

Major players covered

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

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Humanoid Frameless Motor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Humanoid Frameless Motor, with price, sales quantity, revenue, and global market share of Humanoid Frameless Motor from 2021 to 2026.

Chapter 3, the Humanoid Frameless Motor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Humanoid Frameless Motor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Humanoid Frameless Motor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Humanoid Frameless Motor.

Chapter 14 and 15, to describe Humanoid Frameless Motor sales channel, distributors,

customers, research findings and conclusion.

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