

# Global Humanoid Robot Frameless Motors Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Humanoid Robot Frameless Motors market size was valued at US\$ 42.7 million in 2024 and is forecast to a readjusted size of USD 566 million by 2031 with a CAGR of 43.2% during review period.

Frameless torque motors are different from traditional servo motors. They have no housing and only two parts: the stator and the rotor. Compared with framed motors, frameless motors are flexible in configuration and easy to install. Frameless motors are very suitable for joint driving of humanoid robots due to their small size and high torque.

This report is a detailed and comprehensive analysis for global Humanoid Robot Frameless Motors market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Torque(N.m) 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 Robot Frameless Motors market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Humanoid Robot Frameless Motors market size and forecasts by region and

country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Humanoid Robot Frameless Motors market size and forecasts, by Torque(N.m) and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global Humanoid Robot Frameless Motors market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

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 Robot Frameless Motors

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 Robot Frameless Motors 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 MAXON, Nidec, Kollmorgen (Regal Rexnord), Portescap (Regal Rexnord), TQ-Systems GmbH, Suzhou Veichi Electric, Kinco Automation, Guangzhou Haozhi Industrial, Zhejiang He Chuan Technology Corporation, Jiangsu Leili Motor, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Humanoid Robot Frameless Motors market is split by Torque(N.m) and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Torque(N.m), 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 Torque(N.m)

3 Below

3-6

6 Above

### Market segment by Application

Rotary Joints

Linear Joints

Other

### Major players covered

MAXON

Nidec

Kollmorgen (Regal Rexnord)

Portescap (Regal Rexnord)

TQ-Systems GmbH

Suzhou Veichi Electric

Kinco Automation

Guangzhou Haozhi Industrial

Zhejiang He Chuan Technology Corporation

Jiangsu Leili Motor

Shenzhen Leisai Intelligent Control Stock

Jiangnan Yifan Motor

## Shenzhen Mosrac Motor

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 Robot Frameless Motors product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Humanoid Robot Frameless Motors, with price, sales quantity, revenue, and global market share of Humanoid Robot Frameless Motors from 2020 to 2025.

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

Chapter 4, the Humanoid Robot Frameless Motors breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Torque(N.m) and by Application, with sales market share and growth rate by Torque(N.m), by Application, from 2020 to 2031.

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 2020 to 2025. and Humanoid Robot Frameless Motors market forecast, by regions, by Torque(N.m), and by Application, with sales and revenue, from 2026 to 2031.

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 Robot Frameless Motors.

Chapter 14 and 15, to describe Humanoid Robot Frameless Motors sales channel, distributors, customers, research findings and conclusion.

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