

Global Voice Coil Actuator for Robot 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 Voice Coil Actuator for Robot market size was valued at US\$ 75.1 million in 2024 and is forecast to a readjusted size of USD 231 million by 2031 with a CAGR of 17.1% during review period.

A voice coil actuator (VCA) for robots is a type of electromechanical actuator that uses the principles of electromagnetism to produce precise, linear motion. It operates by passing an electrical current through a coil (typically a copper wire), which generates a magnetic field. This magnetic field interacts with a permanent magnet or ferromagnetic material, producing a linear force that drives motion. Voice coil actuators are known for their high precision, fast response times, and ability to generate smooth and controllable motion, making them ideal for robotics applications that require fine control and speed.

This report is a detailed and comprehensive analysis for global Voice Coil Actuator for Robot 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 Voice Coil Actuator for Robot market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Voice Coil Actuator for Robot market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Voice Coil Actuator for Robot market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Voice Coil Actuator for Robot market shares of main players, shipments in revenue (\$ Million), sales quantity (K 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 Voice Coil Actuator for Robot
- 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 Voice Coil Actuator for Robot 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 Motor, Faulhaber, Helix Linear, Render, Samsr, Moticont, Actuonix, Tolomatic, Inspire-Robots, DH-Robotics, etc.

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

Market Segmentation

Voice Coil Actuator for Robot market is split by Type and by Application. For the period 2020-2031, 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

Linear Actuator

Rotary Actuator

Market segment by Application

Semiconductor

3C Electronics

Medical

Others

Major players covered

Maxon Motor

Faulhaber

Helix Linear

Render

Samsr

Moticont

Actuonix

Tolomatic

Inspire-Robots

DH-Robotics

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 Voice Coil Actuator for Robot product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Voice Coil Actuator for Robot, with price, sales quantity, revenue, and global market share of Voice Coil Actuator for Robot from 2020 to 2025.

Chapter 3, the Voice Coil Actuator for Robot competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Voice Coil Actuator for Robot 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 Type and by Application, with sales market share and growth rate by Type, 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 Voice Coil Actuator for Robot market forecast, by regions, by Type, 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 Voice Coil Actuator for Robot.

Chapter 14 and 15, to describe Voice Coil Actuator for Robot sales channel, distributors, customers, research findings and conclusion.

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