

Global Linear Rotary Actuator Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G243BD05C999EN.html>

Date: April 2026

Pages: 143

Price: US\$ 4,480.00 (Single User License)

ID: G243BD05C999EN

Abstracts

The global Linear Rotary Actuator market size is expected to reach \$ 4934 million by 2032, rising at a market growth of 8.5% CAGR during the forecast period (2026-2032).

Linear rotary actuators are integrated motion devices capable of delivering both linear and rotary movement within a single unit, enabling compact, synchronized multi-axis actuation in automated systems. These actuators are widely used in robotics, semiconductor equipment, precision assembly lines, packaging machinery, medical devices, and industrial automation platforms where space efficiency and coordinated motion are critical. From a value chain perspective, upstream activities include precision machined components, motors, bearings, lead screws, sensors, and control electronics, midstream processes focus on actuator assembly, motion calibration, performance testing, and integration with servo drives or control systems, while downstream demand is driven by OEM equipment manufacturers, robotics developers, automation integrators, and industrial production facilities. In 2025, the average selling price of linear rotary actuators is approximately US\$1,050 per unit, with global sales volume reaching around 2.6 million units. The industry maintains a gross margin of 28%-45%, supported by precision engineering complexity, customization, integration value, and increasing demand for compact automation solutions.

Market Development Opportunities & Main Driving Factors

The development of smart manufacturing and automation drives growing demand for linear rotary actuators, especially in robotics, medical devices, and aerospace. Industry 4.0 and IoT promote intelligent upgrades, enhancing precision and responsiveness. The manufacturing sector's need for compact multifunctional actuators further expands the market.

Market Challenges, Risks, & Restraints

Complex technology leads to high R&D and production costs, limiting some enterprises. Fierce competition and product homogenization pressure companies to raise technical barriers. Material durability and system stability are key risks, while global trade uncertainties and supply chain fluctuations may impact growth.

Downstream Demand Trends

Growing demand for precision and automation in downstream industries pushes actuators toward miniaturization and intelligence. Demand in medical robotics and drones is significant. Energy-saving policies encourage development of efficient, low-power products, with customers focusing more on customization and system integration.

This report studies the global Linear Rotary Actuator production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Linear Rotary Actuator 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 Linear Rotary Actuator that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Linear Rotary Actuator total production and demand, 2021-2032, (K Units)

Global Linear Rotary Actuator total production value, 2021-2032, (USD Million)

Global Linear Rotary Actuator production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Linear Rotary Actuator consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Linear Rotary Actuator domestic production, consumption, key domestic manufacturers and share

Global Linear Rotary Actuator production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Linear Rotary Actuator production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Linear Rotary Actuator production by Application, production, value, CAGR,

2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Linear Rotary Actuator 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 SMC Corporation, Festo, Bosch Rexroth, Airtac, PHD, PNEUMAX, HKS, KOSMEK, Curtiss-Wright (Exlar), SMAC, 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 Linear Rotary Actuator 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 Linear Rotary Actuator Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Linear Rotary Actuator Market, Segmentation by Type:

Electric-driven

Pneumatic-driven

Servo-driven

Global Linear Rotary Actuator Market, Segmentation by Load Capacity:

Light-duty

Medium-duty

Heavy-duty

Global Linear Rotary Actuator Market, Segmentation by Output Type:

Standard Precision

High Precision

Ultra Precision

Global Linear Rotary Actuator Market, Segmentation by Application:

Robotics

Semiconductor Equipment

Packaging Machinery

Medical Devices

Others

Companies Profiled:

SMC Corporation

Festo

Bosch Rexroth

Airtac

PHD

PNEUMAX

HKS

KOSMEK

Curtiss-Wright (Exlar)

SMAC

Panasonic

Mitsubishi Electric

Schneider Electric

Honeywell

FANUC

Staubli

Harmonic Drive

PTM Mechatronics

Key Questions Answered:

1. How big is the global Linear Rotary Actuator market?
2. What is the demand of the global Linear Rotary Actuator market?
3. What is the year over year growth of the global Linear Rotary Actuator market?
4. What is the production and production value of the global Linear Rotary Actuator market?
5. Who are the key producers in the global Linear Rotary Actuator market?
6. What are the growth factors driving the market demand?

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