

Actuator Market Outlook 2025-2034: Market Share, and Growth Analysis By Type (Pneumatic Actuators, Hydraulic Actuators, Electric Actuators, Mechanical Actuators), By Motion (Linear Actuator, Rotary Actuator), By End User

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Abstracts

The Actuator Market is valued at USD 58.3 billion in 2025 and is projected to grow at a CAGR of 8.9% to reach USD 125.9 billion by 2034. The actuators market is a vital sector focused on providing devices that convert energy into mechanical motion. This market encompasses a range of actuators, including electric actuators, hydraulic actuators, and pneumatic actuators. Actuators are used in various applications, such as industrial automation, automotive, and aerospace. The market is driven by the continuous demand for precise and reliable motion control.

The market is characterized by rapid innovation in materials, control systems, and integration technologies. The development of smart actuators with integrated sensors and communication capabilities is driving the market forward. The integration of advanced control algorithms and AI is also enhancing the performance and efficiency of actuators. Furthermore, the increasing adoption of automation and robotics is driving the demand for high-performance actuators. The market is also seeing a trend towards customized actuators that meet specific application requirements.

Geographically, the actuators market is expanding globally, with significant activity in developed regions and emerging economies. Developed regions are leading the way in technology adoption, driven by their advanced manufacturing and automation industries and strong demand for high-quality products. Emerging economies are also showing increasing interest in actuators, driven by their rapid industrialization and infrastructure development. The market's future is promising, with continuous innovation and

increasing adoption expected to drive growth.

Key Insights Actuator Market

Smart Actuators: Integration of sensors and communication capabilities.

Advanced Control Systems: AI-powered control algorithms for enhanced performance.

Electric Actuators: Increasing adoption of electric actuators for precise control.

Customized Solutions: Tailoring actuators to specific applications.

Miniaturization: Development of compact and lightweight actuators.

Industrial Automation: Demand for actuators in automated manufacturing and robotics.

Automotive Industry: Use of actuators in vehicle systems and autonomous driving.

Aerospace Applications: Application in aircraft control and space exploration.

Precision Control: Need for precise and reliable motion control.

Technological Advancements: Continuous advancements in materials and control systems.

Reliability and Durability: Ensuring actuators can withstand harsh environments.

Integration Complexity: Integrating actuators with complex control systems.

Energy Efficiency: Optimizing energy consumption in actuator operation.

Cost Pressures: Balancing performance with cost-effectiveness.

Cybersecurity: Protecting smart actuators from cyber threats.

Actuator Market Segmentation

By Type

Pneumatic Actuators

Hydraulic Actuators

Electric Actuators

Mechanical Actuators

By Motion

Linear Actuator

Rotary Actuator

By End User

Automotive

Aerospace

Oil And Gas

Pharmaceutical

Power Generation

Food And Beverages

Chemicals

Mining

Other End Users

Key Companies Analysed

Emerson Electric Co.

ABB Ltd.

Rockwell Automation Inc.

Moog Inc.

SMC Corporation

Curtis Wright Corporation

Eaton Corporation Plc

Honeywell International Inc.

Rotork Plc

Misumi Group Inc.

Cameron International Corporation

Samson AG

Parker Hannifin Corporation

Venture MFG Co.

Altra Industrial Motion

Actuonix Motion Devices Inc.

Aptiv PLC

AUMA Riester Gmbh & Co. KG

BorgWarner Inc.

Continental AG

Denso Corporation

Festo AG & Co. K.G.

Flowserve Corporation

GEA Group AG

General Electric Company

Hitachi Ltd.

IAV Automotive Engineering

Johnson Controls International PLC

KITZ Corporation

Mecvel Technologies Private Limited

Nidec Corporation

Regal Rexnord Corporation

Robert Bosch GmbH .

Actuator Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are

incorporated to assess their impact on future market performance.

Actuator Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers & acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Actuator market data and outlook to 2034

United States

Canada

Mexico

Europe — Actuator market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Actuator market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Actuator market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Actuator market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Actuator value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Actuator industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Actuator Market Report

Global Actuator market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Actuator trade, costs, and supply chains

Actuator market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Actuator market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Actuator market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Actuator supply chain analysis

Actuator trade analysis, Actuator market price analysis, and Actuator supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Actuator market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the

impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL ACTUATOR MARKET SUMMARY, 2025

- 2.1 Actuator Industry Overview
 - 2.1.1 Global Actuator Market Revenues (In US\$ billion)
- 2.2 Actuator Market Scope
- 2.3 Research Methodology

3. ACTUATOR MARKET INSIGHTS, 2024-2034

- 3.1 Actuator Market Drivers
- 3.2 Actuator Market Restraints
- 3.3 Actuator Market Opportunities
- 3.4 Actuator Market Challenges
- 3.5 Tariff Impact on Global Actuator Supply Chain Patterns

4. ACTUATOR MARKET ANALYTICS

- 4.1 Actuator Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Actuator Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Actuator Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Actuator Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Actuator Market
 - 4.5.1 Actuator Industry Attractiveness Index, 2025
 - 4.5.2 Actuator Supplier Intelligence
 - 4.5.3 Actuator Buyer Intelligence
 - 4.5.4 Actuator Competition Intelligence
 - 4.5.5 Actuator Product Alternatives and Substitutes Intelligence
 - 4.5.6 Actuator Market Entry Intelligence

5. GLOBAL ACTUATOR MARKET STATISTICS – INDUSTRY REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

- 5.1 World Actuator Market Size, Potential and Growth Outlook, 2024- 2034 (\$ billion)
- 5.1 Global Actuator Sales Outlook and CAGR Growth By Type, 2024- 2034 (\$ billion)
- 5.2 Global Actuator Sales Outlook and CAGR Growth By Motion, 2024- 2034 (\$ billion)
- 5.3 Global Actuator Sales Outlook and CAGR Growth By End User, 2024- 2034 (\$ billion)
- 5.4 Global Actuator Market Sales Outlook and Growth by Region, 2024- 2034 (\$ billion)

6. ASIA PACIFIC ACTUATOR INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

- 6.1 Asia Pacific Actuator Market Insights, 2025
- 6.2 Asia Pacific Actuator Market Revenue Forecast By Type, 2024- 2034 (USD billion)
- 6.3 Asia Pacific Actuator Market Revenue Forecast By Motion, 2024- 2034 (USD billion)
- 6.4 Asia Pacific Actuator Market Revenue Forecast By End User, 2024- 2034 (USD billion)
- 6.5 Asia Pacific Actuator Market Revenue Forecast by Country, 2024- 2034 (USD billion)
 - 6.5.1 China Actuator Market Size, Opportunities, Growth 2024- 2034
 - 6.5.2 India Actuator Market Size, Opportunities, Growth 2024- 2034
 - 6.5.3 Japan Actuator Market Size, Opportunities, Growth 2024- 2034
 - 6.5.4 Australia Actuator Market Size, Opportunities, Growth 2024- 2034

7. EUROPE ACTUATOR MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

- 7.1 Europe Actuator Market Key Findings, 2025
- 7.2 Europe Actuator Market Size and Percentage Breakdown By Type, 2024- 2034 (USD billion)
- 7.3 Europe Actuator Market Size and Percentage Breakdown By Motion, 2024- 2034 (USD billion)
- 7.4 Europe Actuator Market Size and Percentage Breakdown By End User, 2024- 2034 (USD billion)
- 7.5 Europe Actuator Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)
 - 7.5.1 Germany Actuator Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 United Kingdom Actuator Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 France Actuator Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 Italy Actuator Market Size, Trends, Growth Outlook to 2034
 - 7.5.2 Spain Actuator Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA ACTUATOR MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

8.1 North America Snapshot, 2025

8.2 North America Actuator Market Analysis and Outlook By Type, 2024- 2034 (\$ billion)

8.3 North America Actuator Market Analysis and Outlook By Motion, 2024- 2034 (\$ billion)

8.4 North America Actuator Market Analysis and Outlook By End User, 2024- 2034 (\$ billion)

8.5 North America Actuator Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)

8.5.1 United States Actuator Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Canada Actuator Market Size, Share, Growth Trends and Forecast, 2024- 2034

8.5.1 Mexico Actuator Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA ACTUATOR MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Actuator Market Data, 2025

9.2 Latin America Actuator Market Future By Type, 2024- 2034 (\$ billion)

9.3 Latin America Actuator Market Future By Motion, 2024- 2034 (\$ billion)

9.4 Latin America Actuator Market Future By End User, 2024- 2034 (\$ billion)

9.5 Latin America Actuator Market Future by Country, 2024- 2034 (\$ billion)

9.5.1 Brazil Actuator Market Size, Share and Opportunities to 2034

9.5.2 Argentina Actuator Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA ACTUATOR MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Actuator Market Statistics By Type, 2024- 2034 (USD billion)

10.3 Middle East Africa Actuator Market Statistics By Motion, 2024- 2034 (USD billion)

10.4 Middle East Africa Actuator Market Statistics By End User, 2024- 2034 (USD billion)

10.5 Middle East Africa Actuator Market Statistics by Country, 2024- 2034 (USD billion)

10.5.1 Middle East Actuator Market Value, Trends, Growth Forecasts to 2034

10.5.2 Africa Actuator Market Value, Trends, Growth Forecasts to 2034

11. ACTUATOR MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

11.1 Key Companies in Actuator Industry

11.2 Actuator Business Overview

11.3 Actuator Product Portfolio Analysis

11.4 Financial Analysis

11.5 SWOT Analysis

12 APPENDIX

12.1 Global Actuator Market Volume (Tons)

12.1 Global Actuator Trade and Price Analysis

12.2 Actuator Parent Market and Other Relevant Analysis

12.3 Publisher Expertise

12.2 Actuator Industry Report Sources and Methodology

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