

Global Turbo Actuator Market Growth 2026-2032

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Abstracts

The global Turbo Actuator market size is predicted to grow from US\$ 2152 million in 2025 to US\$ 2978 million in 2032; it is expected to grow at a CAGR of 4.8% from 2026 to 2032.

In 2025, global Turbo Actuator production reached approximately 48.89 million units, with an average global market price of around US\$45 per unit.

The gross profit margin of major companies in the industry is between 22%-38%.

In 2025, the global production capacity of Turbo Actuator was approximately 65.19 million units.

Turbo Actuator is a control component used in turbocharger systems to regulate wastegate valves, variable geometry mechanisms, boost pressure, and airflow response. It can be pneumatic, electric, or electronic, and is widely used in gasoline engines, diesel engines, hybrid vehicles, commercial vehicles, off-highway machinery, and industrial engines requiring efficient boost control.

The industrial chain of Turbo Actuator covers upstream motors, sensors, gears, housings, springs, diaphragms, electronic control boards, connectors, seals, and precision metal parts. The midstream consists of actuator design, machining, assembly, calibration, software matching, environmental testing, vibration testing, and performance validation. Downstream applications mainly include turbochargers, passenger vehicles, commercial vehicles, hybrid powertrains, construction machinery, agricultural machinery, marine engines, and aftermarket replacement channels.

Automotive turbocharging systems, aerospace power control and industrial gas turbine equipment drive demand for turbo actuators. It realizes precise adjustment of air intake

and power output with fast response speed. High-temperature resistance and lightweight design improve system control stability.

LP Information, Inc. (LPI) ' newest research report, the "Turbo Actuator Industry Forecast" looks at past sales and reviews total world Turbo Actuator sales in 2025, providing a comprehensive analysis by region and market sector of projected Turbo Actuator sales for 2026 through 2032. With Turbo Actuator sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Turbo Actuator industry.

This Insight Report provides a comprehensive analysis of the global Turbo Actuator landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Turbo Actuator portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Turbo Actuator market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Turbo Actuator and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Turbo Actuator.

This report presents a comprehensive overview, market shares, and growth opportunities of Turbo Actuator market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Manual Turbo Actuator

Pneumatic Turbo Actuator

Electric Turbo Actuator

Hydraulic Turbo Actuator

Segmentation by Turbocharger Function:

Wastegate Turbo Actuator

Variable Geometry Turbo Actuator

Bypass Valve Turbo Actuator

Segmentation by Operating Voltage:

Low Voltage (?12V)

Standard Voltage (12?24V)

High Voltage (?24V)

Segmentation by Application:

Automotive

Aerospace

Heavy Equipment

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Garrett Motion

BorgWarner

Mitsubishi Heavy Industries

IHI Corporation

Continental

HELLA

MAHLE

Cummins Turbo Technologies

DENSO Corporation

Robert Bosch

Mitsubishi Electric

Rotomaster

Melett

Hunan Tyen Machinery

Weifu High-Technology Group

Kangyue Technology

Fengcheng Pacific Shenlong Turbocharger

Wuxi Best Precision Machinery

Ningbo Motor Industrial

Key Questions Addressed in this Report

What is the 10-year outlook for the global Turbo Actuator market?

What factors are driving Turbo Actuator market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Turbo Actuator market opportunities vary by end market size?

How does Turbo Actuator break out by Type, by Application?

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Turbo Actuator Annual Sales 2021-2032
 - 2.1.2 World Current & Future Analysis for Turbo Actuator by Geographic Region, 2021, 2025 & 2032
 - 2.1.3 World Current & Future Analysis for Turbo Actuator by Country/Region, 2021, 2025 & 2032
- 2.2 Turbo Actuator Segment by Type
 - 2.2.1 Manual Turbo Actuator
 - 2.2.2 Pneumatic Turbo Actuator
 - 2.2.3 Electric Turbo Actuator
 - 2.2.4 Hydraulic Turbo Actuator
 - 2.2.5 Turbo Actuator Sales by Type
 - 2.2.5.1 Global Turbo Actuator Sales Market Share by Type (2021-2026)
 - 2.2.5.2 Global Turbo Actuator Revenue and Market Share by Type (2021-2026)
 - 2.2.5.3 Global Turbo Actuator Sale Price by Type (2021-2026)
- 2.3 Turbo Actuator Segment by Turbocharger Function
 - 2.3.1 Wastegate Turbo Actuator
 - 2.3.2 Variable Geometry Turbo Actuator
 - 2.3.3 Bypass Valve Turbo Actuator
 - 2.3.4 Turbo Actuator Sales by Turbocharger Function
 - 2.3.4.1 Global Turbo Actuator Sales Market Share by Turbocharger Function (2021-2026)
 - 2.3.4.2 Global Turbo Actuator Revenue and Market Share by Turbocharger Function (2021-2026)

- 2.3.4.3 Global Turbo Actuator Sale Price by Turbocharger Function (2021-2026)
- 2.4 Turbo Actuator Segment by Operating Voltage
 - 2.4.1 Low Voltage (?12V)
 - 2.4.2 Standard Voltage (12?24V)
 - 2.4.3 High Voltage (?24V)
 - 2.4.4 Turbo Actuator Sales by Operating Voltage
 - 2.4.4.1 Global Turbo Actuator Sales Market Share by Operating Voltage (2021-2026)
 - 2.4.4.2 Global Turbo Actuator Revenue and Market Share by Operating Voltage (2021-2026)
 - 2.4.4.3 Global Turbo Actuator Sale Price by Operating Voltage (2021-2026)
- 2.5 Turbo Actuator Segment by Application
 - 2.5.1 Automotive
 - 2.5.2 Aerospace
 - 2.5.3 Heavy Equipment
 - 2.5.4 Others
 - 2.5.5 Turbo Actuator Sales by Application
 - 2.5.5.1 Global Turbo Actuator Sale Market Share by Application (2021-2026)
 - 2.5.5.2 Global Turbo Actuator Revenue and Market Share by Application (2021-2026)
 - 2.5.5.3 Global Turbo Actuator Sale Price by Application (2021-2026)

3 GLOBAL BY COMPANY

- 3.1 Global Turbo Actuator Breakdown Data by Company
 - 3.1.1 Global Turbo Actuator Annual Sales by Company (2021-2026)
 - 3.1.2 Global Turbo Actuator Sales Market Share by Company (2021-2026)
- 3.2 Global Turbo Actuator Annual Revenue by Company (2021-2026)
 - 3.2.1 Global Turbo Actuator Revenue by Company (2021-2026)
 - 3.2.2 Global Turbo Actuator Revenue Market Share by Company (2021-2026)
- 3.3 Global Turbo Actuator Sale Price by Company
- 3.4 Key Manufacturers Turbo Actuator Producing Area Distribution, Sales Area, Product Type
 - 3.4.1 Key Manufacturers Turbo Actuator Product Location Distribution
 - 3.4.2 Players Turbo Actuator Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)
- 3.6 New Products and Potential Entrants
- 3.7 Market M&A Activity & Strategy

4 WORLD HISTORIC REVIEW FOR TURBO ACTUATOR BY GEOGRAPHIC REGION

- 4.1 World Historic Turbo Actuator Market Size by Geographic Region (2021-2026)
 - 4.1.1 Global Turbo Actuator Annual Sales by Geographic Region (2021-2026)
 - 4.1.2 Global Turbo Actuator Annual Revenue by Geographic Region (2021-2026)
- 4.2 World Historic Turbo Actuator Market Size by Country/Region (2021-2026)
 - 4.2.1 Global Turbo Actuator Annual Sales by Country/Region (2021-2026)
 - 4.2.2 Global Turbo Actuator Annual Revenue by Country/Region (2021-2026)
- 4.3 Americas Turbo Actuator Sales Growth
- 4.4 APAC Turbo Actuator Sales Growth
- 4.5 Europe Turbo Actuator Sales Growth
- 4.6 Middle East & Africa Turbo Actuator Sales Growth

5 AMERICAS

- 5.1 Americas Turbo Actuator Sales by Country
 - 5.1.1 Americas Turbo Actuator Sales by Country (2021-2026)
 - 5.1.2 Americas Turbo Actuator Revenue by Country (2021-2026)
- 5.2 Americas Turbo Actuator Sales by Type (2021-2026)
- 5.3 Americas Turbo Actuator Sales by Application (2021-2026)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Turbo Actuator Sales by Region
 - 6.1.1 APAC Turbo Actuator Sales by Region (2021-2026)
 - 6.1.2 APAC Turbo Actuator Revenue by Region (2021-2026)
- 6.2 APAC Turbo Actuator Sales by Type (2021-2026)
- 6.3 APAC Turbo Actuator Sales by Application (2021-2026)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia

6.10 China Taiwan

7 EUROPE

7.1 Europe Turbo Actuator by Country

7.1.1 Europe Turbo Actuator Sales by Country (2021-2026)

7.1.2 Europe Turbo Actuator Revenue by Country (2021-2026)

7.2 Europe Turbo Actuator Sales by Type (2021-2026)

7.3 Europe Turbo Actuator Sales by Application (2021-2026)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Turbo Actuator by Country

8.1.1 Middle East & Africa Turbo Actuator Sales by Country (2021-2026)

8.1.2 Middle East & Africa Turbo Actuator Revenue by Country (2021-2026)

8.2 Middle East & Africa Turbo Actuator Sales by Type (2021-2026)

8.3 Middle East & Africa Turbo Actuator Sales by Application (2021-2026)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Turbo Actuator

10.3 Manufacturing Process Analysis of Turbo Actuator

10.4 Industry Chain Structure of Turbo Actuator

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Turbo Actuator Distributors

11.3 Turbo Actuator Customer

12 WORLD FORECAST REVIEW FOR TURBO ACTUATOR BY GEOGRAPHIC REGION

12.1 Global Turbo Actuator Market Size Forecast by Region

12.1.1 Global Turbo Actuator Forecast by Region (2027-2032)

12.1.2 Global Turbo Actuator Annual Revenue Forecast by Region (2027-2032)

12.2 Americas Forecast by Country (2027-2032)

12.3 APAC Forecast by Region (2027-2032)

12.4 Europe Forecast by Country (2027-2032)

12.5 Middle East & Africa Forecast by Country (2027-2032)

12.6 Global Turbo Actuator Forecast by Type (2027-2032)

12.7 Global Turbo Actuator Forecast by Application (2027-2032)

13 KEY PLAYERS ANALYSIS

13.1 Garrett Motion

13.1.1 Garrett Motion Company Information

13.1.2 Garrett Motion Turbo Actuator Product Portfolios and Specifications

13.1.3 Garrett Motion Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.1.4 Garrett Motion Main Business Overview

13.1.5 Garrett Motion Latest Developments

13.2 BorgWarner

13.2.1 BorgWarner Company Information

13.2.2 BorgWarner Turbo Actuator Product Portfolios and Specifications

13.2.3 BorgWarner Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.2.4 BorgWarner Main Business Overview

13.2.5 BorgWarner Latest Developments

13.3 Mitsubishi Heavy Industries

13.3.1 Mitsubishi Heavy Industries Company Information

13.3.2 Mitsubishi Heavy Industries Turbo Actuator Product Portfolios and Specifications

13.3.3 Mitsubishi Heavy Industries Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.3.4 Mitsubishi Heavy Industries Main Business Overview

13.3.5 Mitsubishi Heavy Industries Latest Developments

13.4 IHI Corporation

13.4.1 IHI Corporation Company Information

13.4.2 IHI Corporation Turbo Actuator Product Portfolios and Specifications

13.4.3 IHI Corporation Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.4.4 IHI Corporation Main Business Overview

13.4.5 IHI Corporation Latest Developments

13.5 Continental

13.5.1 Continental Company Information

13.5.2 Continental Turbo Actuator Product Portfolios and Specifications

13.5.3 Continental Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.5.4 Continental Main Business Overview

13.5.5 Continental Latest Developments

13.6 HELLA

13.6.1 HELLA Company Information

13.6.2 HELLA Turbo Actuator Product Portfolios and Specifications

13.6.3 HELLA Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.6.4 HELLA Main Business Overview

13.6.5 HELLA Latest Developments

13.7 MAHLE

13.7.1 MAHLE Company Information

13.7.2 MAHLE Turbo Actuator Product Portfolios and Specifications

13.7.3 MAHLE Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.7.4 MAHLE Main Business Overview

13.7.5 MAHLE Latest Developments

13.8 Cummins Turbo Technologies

13.8.1 Cummins Turbo Technologies Company Information

13.8.2 Cummins Turbo Technologies Turbo Actuator Product Portfolios and Specifications

13.8.3 Cummins Turbo Technologies Turbo Actuator Sales, Revenue, Price and Gross

Margin (2021-2026)

13.8.4 Cummins Turbo Technologies Main Business Overview

13.8.5 Cummins Turbo Technologies Latest Developments

13.9 DENSO Corporation

13.9.1 DENSO Corporation Company Information

13.9.2 DENSO Corporation Turbo Actuator Product Portfolios and Specifications

13.9.3 DENSO Corporation Turbo Actuator Sales, Revenue, Price and Gross Margin

(2021-2026)

13.9.4 DENSO Corporation Main Business Overview

13.9.5 DENSO Corporation Latest Developments

13.10 Robert Bosch

13.10.1 Robert Bosch Company Information

13.10.2 Robert Bosch Turbo Actuator Product Portfolios and Specifications

13.10.3 Robert Bosch Turbo Actuator Sales, Revenue, Price and Gross Margin

(2021-2026)

13.10.4 Robert Bosch Main Business Overview

13.10.5 Robert Bosch Latest Developments

13.11 Mitsubishi Electric

13.11.1 Mitsubishi Electric Company Information

13.11.2 Mitsubishi Electric Turbo Actuator Product Portfolios and Specifications

13.11.3 Mitsubishi Electric Turbo Actuator Sales, Revenue, Price and Gross Margin

(2021-2026)

13.11.4 Mitsubishi Electric Main Business Overview

13.11.5 Mitsubishi Electric Latest Developments

13.12 Rotomaster

13.12.1 Rotomaster Company Information

13.12.2 Rotomaster Turbo Actuator Product Portfolios and Specifications

13.12.3 Rotomaster Turbo Actuator Sales, Revenue, Price and Gross Margin

(2021-2026)

13.12.4 Rotomaster Main Business Overview

13.12.5 Rotomaster Latest Developments

13.13 Melett

13.13.1 Melett Company Information

13.13.2 Melett Turbo Actuator Product Portfolios and Specifications

13.13.3 Melett Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.13.4 Melett Main Business Overview

13.13.5 Melett Latest Developments

13.14 Hunan Tyen Machinery

13.14.1 Hunan Tyen Machinery Company Information

- 13.14.2 Hunan Tyen Machinery Turbo Actuator Product Portfolios and Specifications
- 13.14.3 Hunan Tyen Machinery Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)
- 13.14.4 Hunan Tyen Machinery Main Business Overview
- 13.14.5 Hunan Tyen Machinery Latest Developments
- 13.15 Weifu High-Technology Group
 - 13.15.1 Weifu High-Technology Group Company Information
 - 13.15.2 Weifu High-Technology Group Turbo Actuator Product Portfolios and Specifications
 - 13.15.3 Weifu High-Technology Group Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.15.4 Weifu High-Technology Group Main Business Overview
 - 13.15.5 Weifu High-Technology Group Latest Developments
- 13.16 Kangyue Technology
 - 13.16.1 Kangyue Technology Company Information
 - 13.16.2 Kangyue Technology Turbo Actuator Product Portfolios and Specifications
 - 13.16.3 Kangyue Technology Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.16.4 Kangyue Technology Main Business Overview
 - 13.16.5 Kangyue Technology Latest Developments
- 13.17 Fengcheng Pacific Shenlong Turbocharger
 - 13.17.1 Fengcheng Pacific Shenlong Turbocharger Company Information
 - 13.17.2 Fengcheng Pacific Shenlong Turbocharger Turbo Actuator Product Portfolios and Specifications
 - 13.17.3 Fengcheng Pacific Shenlong Turbocharger Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.17.4 Fengcheng Pacific Shenlong Turbocharger Main Business Overview
 - 13.17.5 Fengcheng Pacific Shenlong Turbocharger Latest Developments
- 13.18 Wuxi Best Precision Machinery
 - 13.18.1 Wuxi Best Precision Machinery Company Information
 - 13.18.2 Wuxi Best Precision Machinery Turbo Actuator Product Portfolios and Specifications
 - 13.18.3 Wuxi Best Precision Machinery Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)
 - 13.18.4 Wuxi Best Precision Machinery Main Business Overview
 - 13.18.5 Wuxi Best Precision Machinery Latest Developments
- 13.19 Ningbo Motor Industrial
 - 13.19.1 Ningbo Motor Industrial Company Information
 - 13.19.2 Ningbo Motor Industrial Turbo Actuator Product Portfolios and Specifications

13.19.3 Ningbo Motor Industrial Turbo Actuator Sales, Revenue, Price and Gross Margin (2021-2026)

13.19.4 Ningbo Motor Industrial Main Business Overview

13.19.5 Ningbo Motor Industrial Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Turbo Actuator Annual Sales CAGR by Geographic Region (2021, 2025 & 2032) & (\$ millions)

Table 2. Turbo Actuator Annual Sales CAGR by Country/Region (2021, 2025 & 2032) & (\$ millions)

Table 3. Major Players of Manual Turbo Actuator

Table 4. Major Players of Pneumatic Turbo Actuator

Table 5. Major Players of Electric Turbo Actuator

Table 6. Major Players of Hydraulic Turbo Actuator

Table 7. Global Turbo Actuator Sales by Type (2021-2026) & (K Units)

Table 8. Global Turbo Actuator Sales Market Share by Type (2021-2026)

Table 9. Global Turbo Actuator Revenue by Type (2021-2026) & (\$ million)

Table 10. Global Turbo Actuator Revenue Market Share by Type (2021-2026)

Table 11. Global Turbo Actuator Sale Price by Type (2021-2026) & (US\$/Unit)

Table 12. Major Players of Wastegate Turbo Actuator

Table 13. Major Players of Variable Geometry Turbo Actuator

Table 14. Major Players of Bypass Valve Turbo Actuator

Table 15. Global Turbo Actuator Sales by Turbocharger Function (2021-2026) & (K Units)

Table 16. Global Turbo Actuator Sales Market Share by Turbocharger Function (2021-2026)

Table 17. Global Turbo Actuator Revenue by Turbocharger Function (2021-2026) & (\$ million)

Table 18. Global Turbo Actuator Revenue Market Share by Turbocharger Function (2021-2026)

Table 19. Global Turbo Actuator Sale Price by Turbocharger Function (2021-2026) & (US\$/Unit)

Table 20. Major Players of Low Voltage (?12V)

Table 21. Major Players of Standard Voltage (12?24V)

Table 22. Major Players of High Voltage (?24V)

Table 23. Global Turbo Actuator Sales by Operating Voltage (2021-2026) & (K Units)

Table 24. Global Turbo Actuator Sales Market Share by Operating Voltage (2021-2026)

Table 25. Global Turbo Actuator Revenue by Operating Voltage (2021-2026) & (\$ million)

Table 26. Global Turbo Actuator Revenue Market Share by Operating Voltage (2021-2026)

Table 27. Global Turbo Actuator Sale Price by Operating Voltage (2021-2026) & (US\$/Unit)

Table 28. Global Turbo Actuator Sale by Application (2021-2026) & (K Units)

Table 29. Global Turbo Actuator Sale Market Share by Application (2021-2026)

Table 30. Global Turbo Actuator Revenue by Application (2021-2026) & (\$ million)

Table 31. Global Turbo Actuator Revenue Market Share by Application (2021-2026)

Table 32. Global Turbo Actuator Sale Price by Application (2021-2026) & (US\$/Unit)

Table 33. Global Turbo Actuator Sales by Company (2021-2026) & (K Units)

Table 34. Global Turbo Actuator Sales Market Share by Company (2021-2026)

Table 35. Global Turbo Actuator Revenue by Company (2021-2026) & (\$ millions)

Table 36. Global Turbo Actuator Revenue Market Share by Company (2021-2026)

Table 37. Global Turbo Actuator Sale Price by Company (2021-2026) & (US\$/Unit)

Table 38. Key Manufacturers Turbo Actuator Producing Area Distribution and Sales Area

Table 39. Players Turbo Actuator Products Offered

Table 40. Turbo Actuator Concentration Ratio (CR3, CR5 and CR10) & (2024-2026)

Table 41. New Products and Potential Entrants

Table 42. Market M&A Activity & Strategy

Table 43. Global Turbo Actuator Sales by Geographic Region (2021-2026) & (K Units)

Table 44. Global Turbo Actuator Sales Market Share Geographic Region (2021-2026)

Table 45. Global Turbo Actuator Revenue by Geographic Region (2021-2026) & (\$ millions)

Table 46. Global Turbo Actuator Revenue Market Share by Geographic Region (2021-2026)

Table 47. Global Turbo Actuator Sales by Country/Region (2021-2026) & (K Units)

Table 48. Global Turbo Actuator Sales Market Share by Country/Region (2021-2026)

Table 49. Global Turbo Actuator Revenue by Country/Region (2021-2026) & (\$ millions)

Table 50. Global Turbo Actuator Revenue Market Share by Country/Region (2021-2026)

Table 51. Americas Turbo Actuator Sales by Country (2021-2026) & (K Units)

Table 52. Americas Turbo Actuator Sales Market Share by Country (2021-2026)

Table 53. Americas Turbo Actuator Revenue by Country (2021-2026) & (\$ millions)

Table 54. Americas Turbo Actuator Sales by Type (2021-2026) & (K Units)

Table 55. Americas Turbo Actuator Sales by Application (2021-2026) & (K Units)

Table 56. APAC Turbo Actuator Sales by Region (2021-2026) & (K Units)

Table 57. APAC Turbo Actuator Sales Market Share by Region (2021-2026)

Table 58. APAC Turbo Actuator Revenue by Region (2021-2026) & (\$ millions)

Table 59. APAC Turbo Actuator Sales by Type (2021-2026) & (K Units)

Table 60. APAC Turbo Actuator Sales by Application (2021-2026) & (K Units)

Table 61. Europe Turbo Actuator Sales by Country (2021-2026) & (K Units)
Table 62. Europe Turbo Actuator Revenue by Country (2021-2026) & (\$ millions)
Table 63. Europe Turbo Actuator Sales by Type (2021-2026) & (K Units)
Table 64. Europe Turbo Actuator Sales by Application (2021-2026) & (K Units)
Table 65. Middle East & Africa Turbo Actuator Sales by Country (2021-2026) & (K Units)
Table 66. Middle East & Africa Turbo Actuator Revenue Market Share by Country (2021-2026)
Table 67. Middle East & Africa Turbo Actuator Sales by Type (2021-2026) & (K Units)
Table 68. Middle East & Africa Turbo Actuator Sales by Application (2021-2026) & (K Units)
Table 69. Key Market Drivers & Growth Opportunities of Turbo Actuator
Table 70. Key Market Challenges & Risks of Turbo Actuator
Table 71. Key Industry Trends of Turbo Actuator
Table 72. Turbo Actuator Raw Material
Table 73. Key Suppliers of Raw Materials
Table 74. Turbo Actuator Distributors List
Table 75. Turbo Actuator Customer List
Table 76. Global Turbo Actuator Sales Forecast by Region (2027-2032) & (K Units)
Table 77. Global Turbo Actuator Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 78. Americas Turbo Actuator Sales Forecast by Country (2027-2032) & (K Units)
Table 79. Americas Turbo Actuator Annual Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 80. APAC Turbo Actuator Sales Forecast by Region (2027-2032) & (K Units)
Table 81. APAC Turbo Actuator Annual Revenue Forecast by Region (2027-2032) & (\$ millions)
Table 82. Europe Turbo Actuator Sales Forecast by Country (2027-2032) & (K Units)
Table 83. Europe Turbo Actuator Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 84. Middle East & Africa Turbo Actuator Sales Forecast by Country (2027-2032) & (K Units)
Table 85. Middle East & Africa Turbo Actuator Revenue Forecast by Country (2027-2032) & (\$ millions)
Table 86. Global Turbo Actuator Sales Forecast by Type (2027-2032) & (K Units)
Table 87. Global Turbo Actuator Revenue Forecast by Type (2027-2032) & (\$ millions)
Table 88. Global Turbo Actuator Sales Forecast by Application (2027-2032) & (K Units)
Table 89. Global Turbo Actuator Revenue Forecast by Application (2027-2032) & (\$ millions)

Table 90. Garrett Motion Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 91. Garrett Motion Turbo Actuator Product Portfolios and Specifications

Table 92. Garrett Motion Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 93. Garrett Motion Main Business

Table 94. Garrett Motion Latest Developments

Table 95. BorgWarner Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 96. BorgWarner Turbo Actuator Product Portfolios and Specifications

Table 97. BorgWarner Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 98. BorgWarner Main Business

Table 99. BorgWarner Latest Developments

Table 100. Mitsubishi Heavy Industries Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 101. Mitsubishi Heavy Industries Turbo Actuator Product Portfolios and Specifications

Table 102. Mitsubishi Heavy Industries Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 103. Mitsubishi Heavy Industries Main Business

Table 104. Mitsubishi Heavy Industries Latest Developments

Table 105. IHI Corporation Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 106. IHI Corporation Turbo Actuator Product Portfolios and Specifications

Table 107. IHI Corporation Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 108. IHI Corporation Main Business

Table 109. IHI Corporation Latest Developments

Table 110. Continental Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 111. Continental Turbo Actuator Product Portfolios and Specifications

Table 112. Continental Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 113. Continental Main Business

Table 114. Continental Latest Developments

Table 115. HELLA Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 116. HELLA Turbo Actuator Product Portfolios and Specifications

Table 117. HELLA Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 118. HELLA Main Business

Table 119. HELLA Latest Developments

Table 120. MAHLE Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 121. MAHLE Turbo Actuator Product Portfolios and Specifications

Table 122. MAHLE Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 123. MAHLE Main Business

Table 124. MAHLE Latest Developments

Table 125. Cummins Turbo Technologies Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 126. Cummins Turbo Technologies Turbo Actuator Product Portfolios and Specifications

Table 127. Cummins Turbo Technologies Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 128. Cummins Turbo Technologies Main Business

Table 129. Cummins Turbo Technologies Latest Developments

Table 130. DENSO Corporation Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 131. DENSO Corporation Turbo Actuator Product Portfolios and Specifications

Table 132. DENSO Corporation Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 133. DENSO Corporation Main Business

Table 134. DENSO Corporation Latest Developments

Table 135. Robert Bosch Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 136. Robert Bosch Turbo Actuator Product Portfolios and Specifications

Table 137. Robert Bosch Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 138. Robert Bosch Main Business

Table 139. Robert Bosch Latest Developments

Table 140. Mitsubishi Electric Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 141. Mitsubishi Electric Turbo Actuator Product Portfolios and Specifications

Table 142. Mitsubishi Electric Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 143. Mitsubishi Electric Main Business

Table 144. Mitsubishi Electric Latest Developments

Table 145. Rotomaster Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 146. Rotomaster Turbo Actuator Product Portfolios and Specifications

Table 147. Rotomaster Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 148. Rotomaster Main Business

Table 149. Rotomaster Latest Developments

Table 150. Melett Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 151. Melett Turbo Actuator Product Portfolios and Specifications

Table 152. Melett Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 153. Melett Main Business

Table 154. Melett Latest Developments

Table 155. Hunan Tyen Machinery Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 156. Hunan Tyen Machinery Turbo Actuator Product Portfolios and Specifications

Table 157. Hunan Tyen Machinery Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 158. Hunan Tyen Machinery Main Business

Table 159. Hunan Tyen Machinery Latest Developments

Table 160. Weifu High-Technology Group Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 161. Weifu High-Technology Group Turbo Actuator Product Portfolios and Specifications

Table 162. Weifu High-Technology Group Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 163. Weifu High-Technology Group Main Business

Table 164. Weifu High-Technology Group Latest Developments

Table 165. Kangyue Technology Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 166. Kangyue Technology Turbo Actuator Product Portfolios and Specifications

Table 167. Kangyue Technology Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 168. Kangyue Technology Main Business

Table 169. Kangyue Technology Latest Developments

Table 170. Fengcheng Pacific Shenlong Turbocharger Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 171. Fengcheng Pacific Shenlong Turbocharger Turbo Actuator Product Portfolios and Specifications

Table 172. Fengcheng Pacific Shenlong Turbocharger Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 173. Fengcheng Pacific Shenlong Turbocharger Main Business

Table 174. Fengcheng Pacific Shenlong Turbocharger Latest Developments

Table 175. Wuxi Best Precision Machinery Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 176. Wuxi Best Precision Machinery Turbo Actuator Product Portfolios and Specifications

Table 177. Wuxi Best Precision Machinery Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 178. Wuxi Best Precision Machinery Main Business

Table 179. Wuxi Best Precision Machinery Latest Developments

Table 180. Ningbo Motor Industrial Basic Information, Turbo Actuator Manufacturing Base, Sales Area and Its Competitors

Table 181. Ningbo Motor Industrial Turbo Actuator Product Portfolios and Specifications

Table 182. Ningbo Motor Industrial Turbo Actuator Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2021-2026)

Table 183. Ningbo Motor Industrial Main Business

Table 184. Ningbo Motor Industrial Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Turbo Actuator
- Figure 2. Turbo Actuator Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Turbo Actuator Sales Growth Rate 2021-2032 (K Units)
- Figure 7. Global Turbo Actuator Revenue Growth Rate 2021-2032 (\$ millions)
- Figure 8. Turbo Actuator Sales by Geographic Region (2021, 2025 & 2032) & (\$ millions)
- Figure 9. Turbo Actuator Sales Market Share by Country/Region (2025)
- Figure 10. Turbo Actuator Sales Market Share by Country/Region (2021, 2025 & 2032)
- Figure 11. Product Picture of Manual Turbo Actuator
- Figure 12. Product Picture of Pneumatic Turbo Actuator
- Figure 13. Product Picture of Electric Turbo Actuator
- Figure 14. Product Picture of Hydraulic Turbo Actuator
- Figure 15. Global Turbo Actuator Sales Market Share by Type in 2026
- Figure 16. Global Turbo Actuator Revenue Market Share by Type (2021-2026)
- Figure 17. Product Picture of Wastegate Turbo Actuator
- Figure 18. Product Picture of Variable Geometry Turbo Actuator
- Figure 19. Product Picture of Bypass Valve Turbo Actuator
- Figure 20. Global Turbo Actuator Sales Market Share by Turbocharger Function in 2026
- Figure 21. Global Turbo Actuator Revenue Market Share by Turbocharger Function (2021-2026)
- Figure 22. Product Picture of Low Voltage (?12V)
- Figure 23. Product Picture of Standard Voltage (12?24V)
- Figure 24. Product Picture of High Voltage (?24V)
- Figure 25. Global Turbo Actuator Sales Market Share by Operating Voltage in 2026
- Figure 26. Global Turbo Actuator Revenue Market Share by Operating Voltage (2021-2026)
- Figure 27. Turbo Actuator Consumed in Automotive
- Figure 28. Global Turbo Actuator Market: Automotive (2021-2026) & (K Units)
- Figure 29. Turbo Actuator Consumed in Aerospace
- Figure 30. Global Turbo Actuator Market: Aerospace (2021-2026) & (K Units)
- Figure 31. Turbo Actuator Consumed in Heavy Equipment
- Figure 32. Global Turbo Actuator Market: Heavy Equipment (2021-2026) & (K Units)

- Figure 33. Turbo Actuator Consumed in Others
- Figure 34. Global Turbo Actuator Market: Others (2021-2026) & (K Units)
- Figure 35. Global Turbo Actuator Sale Market Share by Application (2025)
- Figure 36. Global Turbo Actuator Revenue Market Share by Application in 2025
- Figure 37. Turbo Actuator Sales by Company in 2025 (K Units)
- Figure 38. Global Turbo Actuator Sales Market Share by Company in 2025
- Figure 39. Turbo Actuator Revenue by Company in 2025 (\$ millions)
- Figure 40. Global Turbo Actuator Revenue Market Share by Company in 2025
- Figure 41. Global Turbo Actuator Sales Market Share by Geographic Region (2021-2026)
- Figure 42. Global Turbo Actuator Revenue Market Share by Geographic Region in 2025
- Figure 43. Americas Turbo Actuator Sales 2021-2026 (K Units)
- Figure 44. Americas Turbo Actuator Revenue 2021-2026 (\$ millions)
- Figure 45. APAC Turbo Actuator Sales 2021-2026 (K Units)
- Figure 46. APAC Turbo Actuator Revenue 2021-2026 (\$ millions)
- Figure 47. Europe Turbo Actuator Sales 2021-2026 (K Units)
- Figure 48. Europe Turbo Actuator Revenue 2021-2026 (\$ millions)
- Figure 49. Middle East & Africa Turbo Actuator Sales 2021-2026 (K Units)
- Figure 50. Middle East & Africa Turbo Actuator Revenue 2021-2026 (\$ millions)
- Figure 51. Americas Turbo Actuator Sales Market Share by Country in 2025
- Figure 52. Americas Turbo Actuator Revenue Market Share by Country (2021-2026)
- Figure 53. Americas Turbo Actuator Sales Market Share by Type (2021-2026)
- Figure 54. Americas Turbo Actuator Sales Market Share by Application (2021-2026)
- Figure 55. United States Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 56. Canada Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 57. Mexico Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 58. Brazil Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 59. APAC Turbo Actuator Sales Market Share by Region in 2025
- Figure 60. APAC Turbo Actuator Revenue Market Share by Region (2021-2026)
- Figure 61. APAC Turbo Actuator Sales Market Share by Type (2021-2026)
- Figure 62. APAC Turbo Actuator Sales Market Share by Application (2021-2026)
- Figure 63. China Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 64. Japan Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 65. South Korea Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 66. Southeast Asia Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 67. India Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 68. Australia Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 69. China Taiwan Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 70. Europe Turbo Actuator Sales Market Share by Country in 2025

- Figure 71. Europe Turbo Actuator Revenue Market Share by Country (2021-2026)
- Figure 72. Europe Turbo Actuator Sales Market Share by Type (2021-2026)
- Figure 73. Europe Turbo Actuator Sales Market Share by Application (2021-2026)
- Figure 74. Germany Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 75. France Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 76. UK Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 77. Italy Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 78. Russia Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 79. Middle East & Africa Turbo Actuator Sales Market Share by Country (2021-2026)
- Figure 80. Middle East & Africa Turbo Actuator Sales Market Share by Type (2021-2026)
- Figure 81. Middle East & Africa Turbo Actuator Sales Market Share by Application (2021-2026)
- Figure 82. Egypt Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 83. South Africa Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 84. Israel Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 85. Turkey Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 86. GCC Countries Turbo Actuator Revenue Growth 2021-2026 (\$ millions)
- Figure 87. Manufacturing Cost Structure Analysis of Turbo Actuator in 2026
- Figure 88. Manufacturing Process Analysis of Turbo Actuator
- Figure 89. Industry Chain Structure of Turbo Actuator
- Figure 90. Channels of Distribution
- Figure 91. Global Turbo Actuator Sales Market Forecast by Region (2027-2032)
- Figure 92. Global Turbo Actuator Revenue Market Share Forecast by Region (2027-2032)
- Figure 93. Global Turbo Actuator Sales Market Share Forecast by Type (2027-2032)
- Figure 94. Global Turbo Actuator Revenue Market Share Forecast by Type (2027-2032)
- Figure 95. Global Turbo Actuator Sales Market Share Forecast by Application (2027-2032)
- Figure 96. Global Turbo Actuator Revenue Market Share Forecast by Application (2027-2032)

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