

Global Haptic Feedback Actuators Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G3689C3B32AGEN.html>

Date: June 2024

Pages: 120

Price: US\$ 3,480.00 (Single User License)

ID: G3689C3B32AGEN

Abstracts

According to our (Global Info Research) latest study, the global Haptic Feedback Actuators market size was valued at USD 6029.9 million in 2023 and is forecast to a readjusted size of USD 9316.2 million by 2030 with a CAGR of 6.4% during review period.

The tiny vibration motors used in mobile terminals, game machines, etc. Small and high efficiency types are provided. The eccentric rotating mass (ERM) motor and linear resonant actuator (LRA) are two of the most common types of haptic feedback actuators used in the market today.

Haptics, by the definition of itself, refers to the haptic sense of the touch and is an advanced technology that adds the tactile feedback right to the electronic devices through the use of vibrations. This touch-based technology has become more and more popular in handheld, portable and touch-screen enabled to the consumer, industrial and automotive electronic devices. The vibrations produced to provide a new, deeply enhanced user experience.

Market Drivers

Growing Demand in Consumer Electronics: Haptic actuators are widely used in consumer electronic devices like smartphones, tablets, gaming controllers, wearable devices, and VR/AR headsets to provide tactile feedback and enhance user experiences.

Adoption in Automotive Industry: The automotive sector has been incorporating haptic

feedback systems in infotainment systems, touchscreens, and steering wheels to improve driver interaction and reduce distractions, contributing to enhanced safety and user satisfaction.

Virtual Reality and Augmented Reality: The increasing popularity of VR and AR applications in gaming, training, and other fields has driven the demand for haptic actuators to provide realistic touch sensations and enhance immersion.

Medical and Healthcare Applications: Haptic actuators are used in medical simulators, surgical training tools, and robotic-assisted surgery systems to offer realistic tactile feedback to healthcare professionals and trainees.

Gaming and Entertainment: In the gaming industry, haptic actuators are utilized in controllers and peripherals to create immersive and responsive gaming experiences.

Adoption in Industrial Applications: Haptic actuators find applications in industrial equipment and control panels to provide tactile feedback and improve the operator's understanding of complex machinery and processes.

Touchscreen Devices and User Interfaces: Haptic actuators are integrated into touchscreens to provide users with haptic feedback, simulating physical button presses and improving touchscreen interactions.

Wearable Devices and Smartwatches: The rise in wearable technology has led to the use of haptic actuators to provide subtle notifications and alerts to users without relying solely on visual or auditory cues.

Accessibility and Inclusive Design: Haptic actuators play a vital role in creating accessible interfaces for individuals with visual impairments, enabling them to perceive and interact with digital content through touch.

Advancements in Haptic Technology: Continuous advancements in haptic technology have led to more sophisticated and efficient haptic actuators, broadening their applications and driving market growth.

Integration with Internet of Things (IoT): Haptic actuators are being integrated into IoT devices to provide tactile feedback and haptic notifications, enhancing the overall user experience.

Wearable Health and Fitness Devices: The adoption of haptic actuators in health and fitness wearables allows for real-time feedback on biometric data, encouraging users to stay active and maintain healthy habits.

The Global Info Research report includes an overview of the development of the Haptic Feedback Actuators industry chain, the market status of Mobile Terminal (Smartphone/Tablet) (Eccentric Rotating Mass (ERM) Actuators, Linear Resonant Actuators (LRAS)), Wearable Device (Eccentric Rotating Mass (ERM) Actuators, Linear Resonant Actuators (LRAS)), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Haptic Feedback Actuators.

Regionally, the report analyzes the Haptic Feedback Actuators markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Haptic Feedback Actuators market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Haptic Feedback Actuators market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Haptic Feedback Actuators industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Eccentric Rotating Mass (ERM) Actuators, Linear Resonant Actuators (LRAS)).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Haptic Feedback Actuators market.

Regional Analysis: The report involves examining the Haptic Feedback Actuators market at a regional or national level. Report analyses regional factors such as

government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Haptic Feedback Actuators market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Haptic Feedback Actuators:

Company Analysis: Report covers individual Haptic Feedback Actuators manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Haptic Feedback Actuators. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Mobile Terminal (Smartphone/Tablet), Wearable Device).

Technology Analysis: Report covers specific technologies relevant to Haptic Feedback Actuators. It assesses the current state, advancements, and potential future developments in Haptic Feedback Actuators areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Haptic Feedback Actuators market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Haptic Feedback Actuators market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Eccentric Rotating Mass (ERM) Actuators

Linear Resonant Actuators (LRAS)

Others

Market segment by Application

Mobile Terminal (Smartphone/Tablet)

Wearable Device

Automotive

Household Appliances

Others

Major players covered

AAC Technologies

Nidec Corporation

Mplus

Jinlong Machinery & Electronics

Bluecom

Johnson Electric

Texas Instruments

TDK

Jahwa

PI Ceramic

Precision Microdrives

Novasentis

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 Haptic Feedback Actuators product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Haptic Feedback Actuators, with price, sales, revenue and global market share of Haptic Feedback Actuators from 2019 to 2024.

Chapter 3, the Haptic Feedback Actuators competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Haptic Feedback Actuators breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Haptic Feedback Actuators market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Haptic Feedback Actuators.

Chapter 14 and 15, to describe Haptic Feedback Actuators sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Haptic Feedback Actuators

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Haptic Feedback Actuators Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Eccentric Rotating Mass (ERM) Actuators

1.3.3 Linear Resonant Actuators (LRAS)

1.3.4 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Haptic Feedback Actuators Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Mobile Terminal (Smartphone/Tablet)

1.4.3 Wearable Device

1.4.4 Automotive

1.4.5 Household Appliances

1.4.6 Others

1.5 Global Haptic Feedback Actuators Market Size & Forecast

1.5.1 Global Haptic Feedback Actuators Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Haptic Feedback Actuators Sales Quantity (2019-2030)

1.5.3 Global Haptic Feedback Actuators Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 AAC Technologies

2.1.1 AAC Technologies Details

2.1.2 AAC Technologies Major Business

2.1.3 AAC Technologies Haptic Feedback Actuators Product and Services

2.1.4 AAC Technologies Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 AAC Technologies Recent Developments/Updates

2.2 Nidec Corporation

2.2.1 Nidec Corporation Details

2.2.2 Nidec Corporation Major Business

2.2.3 Nidec Corporation Haptic Feedback Actuators Product and Services

2.2.4 Nidec Corporation Haptic Feedback Actuators Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Nidec Corporation Recent Developments/Updates

2.3 Mplus

2.3.1 Mplus Details

2.3.2 Mplus Major Business

2.3.3 Mplus Haptic Feedback Actuators Product and Services

2.3.4 Mplus Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Mplus Recent Developments/Updates

2.4 Jinlong Machinery & Electronics

2.4.1 Jinlong Machinery & Electronics Details

2.4.2 Jinlong Machinery & Electronics Major Business

2.4.3 Jinlong Machinery & Electronics Haptic Feedback Actuators Product and Services

2.4.4 Jinlong Machinery & Electronics Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Jinlong Machinery & Electronics Recent Developments/Updates

2.5 Bluecom

2.5.1 Bluecom Details

2.5.2 Bluecom Major Business

2.5.3 Bluecom Haptic Feedback Actuators Product and Services

2.5.4 Bluecom Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Bluecom Recent Developments/Updates

2.6 Johnson Electric

2.6.1 Johnson Electric Details

2.6.2 Johnson Electric Major Business

2.6.3 Johnson Electric Haptic Feedback Actuators Product and Services

2.6.4 Johnson Electric Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Johnson Electric Recent Developments/Updates

2.7 Texas Instruments

2.7.1 Texas Instruments Details

2.7.2 Texas Instruments Major Business

2.7.3 Texas Instruments Haptic Feedback Actuators Product and Services

2.7.4 Texas Instruments Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 Texas Instruments Recent Developments/Updates

2.8 TDK

- 2.8.1 TDK Details
- 2.8.2 TDK Major Business
- 2.8.3 TDK Haptic Feedback Actuators Product and Services
- 2.8.4 TDK Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 TDK Recent Developments/Updates
- 2.9 Jahwa
 - 2.9.1 Jahwa Details
 - 2.9.2 Jahwa Major Business
 - 2.9.3 Jahwa Haptic Feedback Actuators Product and Services
 - 2.9.4 Jahwa Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Jahwa Recent Developments/Updates
- 2.10 PI Ceramic
 - 2.10.1 PI Ceramic Details
 - 2.10.2 PI Ceramic Major Business
 - 2.10.3 PI Ceramic Haptic Feedback Actuators Product and Services
 - 2.10.4 PI Ceramic Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 PI Ceramic Recent Developments/Updates
- 2.11 Precision Microdrives
 - 2.11.1 Precision Microdrives Details
 - 2.11.2 Precision Microdrives Major Business
 - 2.11.3 Precision Microdrives Haptic Feedback Actuators Product and Services
 - 2.11.4 Precision Microdrives Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 Precision Microdrives Recent Developments/Updates
- 2.12 Novasentis
 - 2.12.1 Novasentis Details
 - 2.12.2 Novasentis Major Business
 - 2.12.3 Novasentis Haptic Feedback Actuators Product and Services
 - 2.12.4 Novasentis Haptic Feedback Actuators Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.12.5 Novasentis Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: HAPTIC FEEDBACK ACTUATORS BY MANUFACTURER

3.1 Global Haptic Feedback Actuators Sales Quantity by Manufacturer (2019-2024)

- 3.2 Global Haptic Feedback Actuators Revenue by Manufacturer (2019-2024)
- 3.3 Global Haptic Feedback Actuators Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Haptic Feedback Actuators by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Haptic Feedback Actuators Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Haptic Feedback Actuators Manufacturer Market Share in 2023
- 3.5 Haptic Feedback Actuators Market: Overall Company Footprint Analysis
 - 3.5.1 Haptic Feedback Actuators Market: Region Footprint
 - 3.5.2 Haptic Feedback Actuators Market: Company Product Type Footprint
 - 3.5.3 Haptic Feedback Actuators Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Haptic Feedback Actuators Market Size by Region
 - 4.1.1 Global Haptic Feedback Actuators Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Haptic Feedback Actuators Consumption Value by Region (2019-2030)
 - 4.1.3 Global Haptic Feedback Actuators Average Price by Region (2019-2030)
- 4.2 North America Haptic Feedback Actuators Consumption Value (2019-2030)
- 4.3 Europe Haptic Feedback Actuators Consumption Value (2019-2030)
- 4.4 Asia-Pacific Haptic Feedback Actuators Consumption Value (2019-2030)
- 4.5 South America Haptic Feedback Actuators Consumption Value (2019-2030)
- 4.6 Middle East and Africa Haptic Feedback Actuators Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Haptic Feedback Actuators Sales Quantity by Type (2019-2030)
- 5.2 Global Haptic Feedback Actuators Consumption Value by Type (2019-2030)
- 5.3 Global Haptic Feedback Actuators Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Haptic Feedback Actuators Sales Quantity by Application (2019-2030)
- 6.2 Global Haptic Feedback Actuators Consumption Value by Application (2019-2030)
- 6.3 Global Haptic Feedback Actuators Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Haptic Feedback Actuators Sales Quantity by Type (2019-2030)

7.2 North America Haptic Feedback Actuators Sales Quantity by Application (2019-2030)

7.3 North America Haptic Feedback Actuators Market Size by Country

7.3.1 North America Haptic Feedback Actuators Sales Quantity by Country (2019-2030)

7.3.2 North America Haptic Feedback Actuators Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Haptic Feedback Actuators Sales Quantity by Type (2019-2030)

8.2 Europe Haptic Feedback Actuators Sales Quantity by Application (2019-2030)

8.3 Europe Haptic Feedback Actuators Market Size by Country

8.3.1 Europe Haptic Feedback Actuators Sales Quantity by Country (2019-2030)

8.3.2 Europe Haptic Feedback Actuators Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Haptic Feedback Actuators Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Haptic Feedback Actuators Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Haptic Feedback Actuators Market Size by Region

9.3.1 Asia-Pacific Haptic Feedback Actuators Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Haptic Feedback Actuators Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Haptic Feedback Actuators Sales Quantity by Type (2019-2030)

10.2 South America Haptic Feedback Actuators Sales Quantity by Application (2019-2030)

10.3 South America Haptic Feedback Actuators Market Size by Country

10.3.1 South America Haptic Feedback Actuators Sales Quantity by Country (2019-2030)

10.3.2 South America Haptic Feedback Actuators Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Haptic Feedback Actuators Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Haptic Feedback Actuators Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Haptic Feedback Actuators Market Size by Country

11.3.1 Middle East & Africa Haptic Feedback Actuators Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Haptic Feedback Actuators Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Haptic Feedback Actuators Market Drivers

12.2 Haptic Feedback Actuators Market Restraints

12.3 Haptic Feedback Actuators Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Haptic Feedback Actuators and Key Manufacturers

13.2 Manufacturing Costs Percentage of Haptic Feedback Actuators

13.3 Haptic Feedback Actuators Production Process

13.4 Haptic Feedback Actuators Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Haptic Feedback Actuators Typical Distributors

14.3 Haptic Feedback Actuators Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Haptic Feedback Actuators Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Haptic Feedback Actuators Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. AAC Technologies Basic Information, Manufacturing Base and Competitors

Table 4. AAC Technologies Major Business

Table 5. AAC Technologies Haptic Feedback Actuators Product and Services

Table 6. AAC Technologies Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. AAC Technologies Recent Developments/Updates

Table 8. Nidec Corporation Basic Information, Manufacturing Base and Competitors

Table 9. Nidec Corporation Major Business

Table 10. Nidec Corporation Haptic Feedback Actuators Product and Services

Table 11. Nidec Corporation Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Nidec Corporation Recent Developments/Updates

Table 13. Mplus Basic Information, Manufacturing Base and Competitors

Table 14. Mplus Major Business

Table 15. Mplus Haptic Feedback Actuators Product and Services

Table 16. Mplus Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Mplus Recent Developments/Updates

Table 18. Jinlong Machinery & Electronics Basic Information, Manufacturing Base and Competitors

Table 19. Jinlong Machinery & Electronics Major Business

Table 20. Jinlong Machinery & Electronics Haptic Feedback Actuators Product and Services

Table 21. Jinlong Machinery & Electronics Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Jinlong Machinery & Electronics Recent Developments/Updates

Table 23. Bluecom Basic Information, Manufacturing Base and Competitors

Table 24. Bluecom Major Business

- Table 25. Bluecom Haptic Feedback Actuators Product and Services
- Table 26. Bluecom Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 27. Bluecom Recent Developments/Updates
- Table 28. Johnson Electric Basic Information, Manufacturing Base and Competitors
- Table 29. Johnson Electric Major Business
- Table 30. Johnson Electric Haptic Feedback Actuators Product and Services
- Table 31. Johnson Electric Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 32. Johnson Electric Recent Developments/Updates
- Table 33. Texas Instruments Basic Information, Manufacturing Base and Competitors
- Table 34. Texas Instruments Major Business
- Table 35. Texas Instruments Haptic Feedback Actuators Product and Services
- Table 36. Texas Instruments Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 37. Texas Instruments Recent Developments/Updates
- Table 38. TDK Basic Information, Manufacturing Base and Competitors
- Table 39. TDK Major Business
- Table 40. TDK Haptic Feedback Actuators Product and Services
- Table 41. TDK Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 42. TDK Recent Developments/Updates
- Table 43. Jahwa Basic Information, Manufacturing Base and Competitors
- Table 44. Jahwa Major Business
- Table 45. Jahwa Haptic Feedback Actuators Product and Services
- Table 46. Jahwa Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 47. Jahwa Recent Developments/Updates
- Table 48. PI Ceramic Basic Information, Manufacturing Base and Competitors
- Table 49. PI Ceramic Major Business
- Table 50. PI Ceramic Haptic Feedback Actuators Product and Services
- Table 51. PI Ceramic Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
- Table 52. PI Ceramic Recent Developments/Updates
- Table 53. Precision Microdrives Basic Information, Manufacturing Base and Competitors
- Table 54. Precision Microdrives Major Business

Table 55. Precision Microdrives Haptic Feedback Actuators Product and Services

Table 56. Precision Microdrives Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. Precision Microdrives Recent Developments/Updates

Table 58. Novasentis Basic Information, Manufacturing Base and Competitors

Table 59. Novasentis Major Business

Table 60. Novasentis Haptic Feedback Actuators Product and Services

Table 61. Novasentis Haptic Feedback Actuators Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. Novasentis Recent Developments/Updates

Table 63. Global Haptic Feedback Actuators Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 64. Global Haptic Feedback Actuators Revenue by Manufacturer (2019-2024) & (USD Million)

Table 65. Global Haptic Feedback Actuators Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 66. Market Position of Manufacturers in Haptic Feedback Actuators, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 67. Head Office and Haptic Feedback Actuators Production Site of Key Manufacturer

Table 68. Haptic Feedback Actuators Market: Company Product Type Footprint

Table 69. Haptic Feedback Actuators Market: Company Product Application Footprint

Table 70. Haptic Feedback Actuators New Market Entrants and Barriers to Market Entry

Table 71. Haptic Feedback Actuators Mergers, Acquisition, Agreements, and Collaborations

Table 72. Global Haptic Feedback Actuators Sales Quantity by Region (2019-2024) & (K Units)

Table 73. Global Haptic Feedback Actuators Sales Quantity by Region (2025-2030) & (K Units)

Table 74. Global Haptic Feedback Actuators Consumption Value by Region (2019-2024) & (USD Million)

Table 75. Global Haptic Feedback Actuators Consumption Value by Region (2025-2030) & (USD Million)

Table 76. Global Haptic Feedback Actuators Average Price by Region (2019-2024) & (USD/Unit)

Table 77. Global Haptic Feedback Actuators Average Price by Region (2025-2030) & (USD/Unit)

Table 78. Global Haptic Feedback Actuators Sales Quantity by Type (2019-2024) & (K

Units)

Table 79. Global Haptic Feedback Actuators Sales Quantity by Type (2025-2030) & (K Units)

Table 80. Global Haptic Feedback Actuators Consumption Value by Type (2019-2024) & (USD Million)

Table 81. Global Haptic Feedback Actuators Consumption Value by Type (2025-2030) & (USD Million)

Table 82. Global Haptic Feedback Actuators Average Price by Type (2019-2024) & (USD/Unit)

Table 83. Global Haptic Feedback Actuators Average Price by Type (2025-2030) & (USD/Unit)

Table 84. Global Haptic Feedback Actuators Sales Quantity by Application (2019-2024) & (K Units)

Table 85. Global Haptic Feedback Actuators Sales Quantity by Application (2025-2030) & (K Units)

Table 86. Global Haptic Feedback Actuators Consumption Value by Application (2019-2024) & (USD Million)

Table 87. Global Haptic Feedback Actuators Consumption Value by Application (2025-2030) & (USD Million)

Table 88. Global Haptic Feedback Actuators Average Price by Application (2019-2024) & (USD/Unit)

Table 89. Global Haptic Feedback Actuators Average Price by Application (2025-2030) & (USD/Unit)

Table 90. North America Haptic Feedback Actuators Sales Quantity by Type (2019-2024) & (K Units)

Table 91. North America Haptic Feedback Actuators Sales Quantity by Type (2025-2030) & (K Units)

Table 92. North America Haptic Feedback Actuators Sales Quantity by Application (2019-2024) & (K Units)

Table 93. North America Haptic Feedback Actuators Sales Quantity by Application (2025-2030) & (K Units)

Table 94. North America Haptic Feedback Actuators Sales Quantity by Country (2019-2024) & (K Units)

Table 95. North America Haptic Feedback Actuators Sales Quantity by Country (2025-2030) & (K Units)

Table 96. North America Haptic Feedback Actuators Consumption Value by Country (2019-2024) & (USD Million)

Table 97. North America Haptic Feedback Actuators Consumption Value by Country (2025-2030) & (USD Million)

Table 98. Europe Haptic Feedback Actuators Sales Quantity by Type (2019-2024) & (K Units)

Table 99. Europe Haptic Feedback Actuators Sales Quantity by Type (2025-2030) & (K Units)

Table 100. Europe Haptic Feedback Actuators Sales Quantity by Application (2019-2024) & (K Units)

Table 101. Europe Haptic Feedback Actuators Sales Quantity by Application (2025-2030) & (K Units)

Table 102. Europe Haptic Feedback Actuators Sales Quantity by Country (2019-2024) & (K Units)

Table 103. Europe Haptic Feedback Actuators Sales Quantity by Country (2025-2030) & (K Units)

Table 104. Europe Haptic Feedback Actuators Consumption Value by Country (2019-2024) & (USD Million)

Table 105. Europe Haptic Feedback Actuators Consumption Value by Country (2025-2030) & (USD Million)

Table 106. Asia-Pacific Haptic Feedback Actuators Sales Quantity by Type (2019-2024) & (K Units)

Table 107. Asia-Pacific Haptic Feedback Actuators Sales Quantity by Type (2025-2030) & (K Units)

Table 108. Asia-Pacific Haptic Feedback Actuators Sales Quantity by Application (2019-2024) & (K Units)

Table 109. Asia-Pacific Haptic Feedback Actuators Sales Quantity by Application (2025-2030) & (K Units)

Table 110. Asia-Pacific Haptic Feedback Actuators Sales Quantity by Region (2019-2024) & (K Units)

Table 111. Asia-Pacific Haptic Feedback Actuators Sales Quantity by Region (2025-2030) & (K Units)

Table 112. Asia-Pacific Haptic Feedback Actuators Consumption Value by Region (2019-2024) & (USD Million)

Table 113. Asia-Pacific Haptic Feedback Actuators Consumption Value by Region (2025-2030) & (USD Million)

Table 114. South America Haptic Feedback Actuators Sales Quantity by Type (2019-2024) & (K Units)

Table 115. South America Haptic Feedback Actuators Sales Quantity by Type (2025-2030) & (K Units)

Table 116. South America Haptic Feedback Actuators Sales Quantity by Application (2019-2024) & (K Units)

Table 117. South America Haptic Feedback Actuators Sales Quantity by Application

(2025-2030) & (K Units)

Table 118. South America Haptic Feedback Actuators Sales Quantity by Country (2019-2024) & (K Units)

Table 119. South America Haptic Feedback Actuators Sales Quantity by Country (2025-2030) & (K Units)

Table 120. South America Haptic Feedback Actuators Consumption Value by Country (2019-2024) & (USD Million)

Table 121. South America Haptic Feedback Actuators Consumption Value by Country (2025-2030) & (USD Million)

Table 122. Middle East & Africa Haptic Feedback Actuators Sales Quantity by Type (2019-2024) & (K Units)

Table 123. Middle East & Africa Haptic Feedback Actuators Sales Quantity by Type (2025-2030) & (K Units)

Table 124. Middle East & Africa Haptic Feedback Actuators Sales Quantity by Application (2019-2024) & (K Units)

Table 125. Middle East & Africa Haptic Feedback Actuators Sales Quantity by Application (2025-2030) & (K Units)

Table 126. Middle East & Africa Haptic Feedback Actuators Sales Quantity by Region (2019-2024) & (K Units)

Table 127. Middle East & Africa Haptic Feedback Actuators Sales Quantity by Region (2025-2030) & (K Units)

Table 128. Middle East & Africa Haptic Feedback Actuators Consumption Value by Region (2019-2024) & (USD Million)

Table 129. Middle East & Africa Haptic Feedback Actuators Consumption Value by Region (2025-2030) & (USD Million)

Table 130. Haptic Feedback Actuators Raw Material

Table 131. Key Manufacturers of Haptic Feedback Actuators Raw Materials

Table 132. Haptic Feedback Actuators Typical Distributors

Table 133. Haptic Feedback Actuators Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Haptic Feedback Actuators Picture
- Figure 2. Global Haptic Feedback Actuators Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Haptic Feedback Actuators Consumption Value Market Share by Type in 2023
- Figure 4. Eccentric Rotating Mass (ERM) Actuators Examples
- Figure 5. Linear Resonant Actuators (LRAS) Examples
- Figure 6. Others Examples
- Figure 7. Global Haptic Feedback Actuators Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 8. Global Haptic Feedback Actuators Consumption Value Market Share by Application in 2023
- Figure 9. Mobile Terminal (Smartphone/Tablet) Examples
- Figure 10. Wearable Device Examples
- Figure 11. Automotive Examples
- Figure 12. Household Appliances Examples
- Figure 13. Others Examples
- Figure 14. Global Haptic Feedback Actuators Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 15. Global Haptic Feedback Actuators Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 16. Global Haptic Feedback Actuators Sales Quantity (2019-2030) & (K Units)
- Figure 17. Global Haptic Feedback Actuators Average Price (2019-2030) & (USD/Unit)
- Figure 18. Global Haptic Feedback Actuators Sales Quantity Market Share by Manufacturer in 2023
- Figure 19. Global Haptic Feedback Actuators Consumption Value Market Share by Manufacturer in 2023
- Figure 20. Producer Shipments of Haptic Feedback Actuators by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 21. Top 3 Haptic Feedback Actuators Manufacturer (Consumption Value) Market Share in 2023
- Figure 22. Top 6 Haptic Feedback Actuators Manufacturer (Consumption Value) Market Share in 2023
- Figure 23. Global Haptic Feedback Actuators Sales Quantity Market Share by Region (2019-2030)

Figure 24. Global Haptic Feedback Actuators Consumption Value Market Share by Region (2019-2030)

Figure 25. North America Haptic Feedback Actuators Consumption Value (2019-2030) & (USD Million)

Figure 26. Europe Haptic Feedback Actuators Consumption Value (2019-2030) & (USD Million)

Figure 27. Asia-Pacific Haptic Feedback Actuators Consumption Value (2019-2030) & (USD Million)

Figure 28. South America Haptic Feedback Actuators Consumption Value (2019-2030) & (USD Million)

Figure 29. Middle East & Africa Haptic Feedback Actuators Consumption Value (2019-2030) & (USD Million)

Figure 30. Global Haptic Feedback Actuators Sales Quantity Market Share by Type (2019-2030)

Figure 31. Global Haptic Feedback Actuators Consumption Value Market Share by Type (2019-2030)

Figure 32. Global Haptic Feedback Actuators Average Price by Type (2019-2030) & (USD/Unit)

Figure 33. Global Haptic Feedback Actuators Sales Quantity Market Share by Application (2019-2030)

Figure 34. Global Haptic Feedback Actuators Consumption Value Market Share by Application (2019-2030)

Figure 35. Global Haptic Feedback Actuators Average Price by Application (2019-2030) & (USD/Unit)

Figure 36. North America Haptic Feedback Actuators Sales Quantity Market Share by Type (2019-2030)

Figure 37. North America Haptic Feedback Actuators Sales Quantity Market Share by Application (2019-2030)

Figure 38. North America Haptic Feedback Actuators Sales Quantity Market Share by Country (2019-2030)

Figure 39. North America Haptic Feedback Actuators Consumption Value Market Share by Country (2019-2030)

Figure 40. United States Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Canada Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Mexico Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Europe Haptic Feedback Actuators Sales Quantity Market Share by Type

(2019-2030)

Figure 44. Europe Haptic Feedback Actuators Sales Quantity Market Share by Application (2019-2030)

Figure 45. Europe Haptic Feedback Actuators Sales Quantity Market Share by Country (2019-2030)

Figure 46. Europe Haptic Feedback Actuators Consumption Value Market Share by Country (2019-2030)

Figure 47. Germany Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. France Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. United Kingdom Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Russia Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Italy Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Asia-Pacific Haptic Feedback Actuators Sales Quantity Market Share by Type (2019-2030)

Figure 53. Asia-Pacific Haptic Feedback Actuators Sales Quantity Market Share by Application (2019-2030)

Figure 54. Asia-Pacific Haptic Feedback Actuators Sales Quantity Market Share by Region (2019-2030)

Figure 55. Asia-Pacific Haptic Feedback Actuators Consumption Value Market Share by Region (2019-2030)

Figure 56. China Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Japan Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Korea Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. India Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Southeast Asia Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. Australia Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. South America Haptic Feedback Actuators Sales Quantity Market Share by Type (2019-2030)

- Figure 63. South America Haptic Feedback Actuators Sales Quantity Market Share by Application (2019-2030)
- Figure 64. South America Haptic Feedback Actuators Sales Quantity Market Share by Country (2019-2030)
- Figure 65. South America Haptic Feedback Actuators Consumption Value Market Share by Country (2019-2030)
- Figure 66. Brazil Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 67. Argentina Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 68. Middle East & Africa Haptic Feedback Actuators Sales Quantity Market Share by Type (2019-2030)
- Figure 69. Middle East & Africa Haptic Feedback Actuators Sales Quantity Market Share by Application (2019-2030)
- Figure 70. Middle East & Africa Haptic Feedback Actuators Sales Quantity Market Share by Region (2019-2030)
- Figure 71. Middle East & Africa Haptic Feedback Actuators Consumption Value Market Share by Region (2019-2030)
- Figure 72. Turkey Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 73. Egypt Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 74. Saudi Arabia Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 75. South Africa Haptic Feedback Actuators Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 76. Haptic Feedback Actuators Market Drivers
- Figure 77. Haptic Feedback Actuators Market Restraints
- Figure 78. Haptic Feedback Actuators Market Trends
- Figure 79. Porters Five Forces Analysis
- Figure 80. Manufacturing Cost Structure Analysis of Haptic Feedback Actuators in 2023
- Figure 81. Manufacturing Process Analysis of Haptic Feedback Actuators
- Figure 82. Haptic Feedback Actuators Industrial Chain
- Figure 83. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 84. Direct Channel Pros & Cons
- Figure 85. Indirect Channel Pros & Cons
- Figure 86. Methodology
- Figure 87. Research Process and Data Source

I would like to order

Product name: Global Haptic Feedback Actuators Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G3689C3B32AGEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G3689C3B32AGEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

