

Global Piezo Haptic Actuators Production, Demand and Key Producers, 2022-2028

<https://marketpublishers.com/r/G66AEF445488EN.html>

Date: October 2022

Pages: 106

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

ID: G66AEF445488EN

Abstracts

This report studies the global Piezo Haptic Actuators production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Piezo Haptic Actuators, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2021 as the base year. This report explores demand trends and competition, as well as details the characteristics of Piezo Haptic Actuators that contribute to its increasing demand across many markets.

The global Piezo Haptic Actuators market size is expected to reach \$ million by 2028, rising at a market growth of % CAGR during the forecast period (2022-2028).

Highlights and key features of the study

Global Piezo Haptic Actuators total production and demand, 2017-2028, (K Units)

Global Piezo Haptic Actuators total production value, 2017-2028, (USD Million)

Global Piezo Haptic Actuators production by region & country, production, value, CAGR, 2017-2028, (USD Million) & (K Units)

Global Piezo Haptic Actuators consumption by region & country, CAGR, 2017-2028 & (K Units)

U.S. VS China: Piezo Haptic Actuators domestic production, consumption, key domestic manufacturers and share

Global Piezo Haptic Actuators production by manufacturer, production, price, value and market share 2017-2022, (USD Million) & (K Units)

Global Piezo Haptic Actuators production by Type, production, value, CAGR, 2017-2028, (USD Million) & (K Units)

Global Piezo Haptic Actuators production by Application production, value, CAGR, 2017-2028, (USD Million) & (K Units)

This reports profiles key players in the global Piezo Haptic Actuators market based on the following parameters – headquarters, production locations, products portfolio, Piezo Haptic Actuators revenue, sales, average price and gross margin, recent developments.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Piezo Haptic Actuators market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2017-2028 by year with 2021 as the base year, 2022 as the estimate year, and 2028 as the forecast year.

Global Piezo Haptic Actuators Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Global Piezo Haptic Actuators Market, Segmentation by Type

Conventional Piezo Haptic Actuators

Piezo Film Haptic Actuators

Global Piezo Haptic Actuators Market, Segmentation by Application

Mobile Terminal

Wearable Devices

Automotive

Others

Companies Profiled:

Yageo

TDK Electronics

Bor?as Technologies

Nidec Corporation

MPlus Co.LTD

Novasentis

PI Ceramic

Johnson Electric

Texas Instruments

Vishay Intertechnology

Key Questions Answered

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

Contents

1 SUPPLY SUMMARY

- 1.1 Piezo Haptic Actuators Introduction
- 1.2 World Piezo Haptic Actuators Supply & Forecast
 - 1.2.1 World Piezo Haptic Actuators Production Value (2017 & 2021 & 2028)
 - 1.2.2 World Piezo Haptic Actuators Production (2017-2028)
 - 1.2.3 World Piezo Haptic Actuators Pricing Trends (2017-2028)
- 1.3 World Piezo Haptic Actuators Production by Region
 - 1.3.1 World Piezo Haptic Actuators Production Value by Region (2017-2028)
 - 1.3.2 World Piezo Haptic Actuators Production by Region (2017-2028)
 - 1.3.3 World Piezo Haptic Actuators Average Price by Region (2017-2028)
 - 1.3.4 North America Piezo Haptic Actuators Production (2017-2028)
 - 1.3.5 Europe Piezo Haptic Actuators Production (2017-2028)
 - 1.3.6 China Piezo Haptic Actuators Production (2017-2028)
 - 1.3.7 Japan Piezo Haptic Actuators Production (2017-2028)
 - 1.3.8 South Korea Piezo Haptic Actuators Production (2017-2028)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Piezo Haptic Actuators Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Piezo Haptic Actuators Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Piezo Haptic Actuators Demand (2017-2028)
- 2.2 World Piezo Haptic Actuators Consumption by Region
 - 2.2.1 World Piezo Haptic Actuators Consumption by Region (2017-2022)
 - 2.2.2 World Piezo Haptic Actuators Consumption Forecast by Region (2023-2028)
- 2.3 United States Piezo Haptic Actuators Consumption (2017-2028)
- 2.4 China Piezo Haptic Actuators Consumption (2017-2028)
- 2.5 Europe Piezo Haptic Actuators Consumption (2017-2028)
- 2.6 Japan Piezo Haptic Actuators Consumption (2017-2028)
- 2.7 South Korea Piezo Haptic Actuators Consumption (2017-2028)
- 2.8 ASEAN Piezo Haptic Actuators Consumption (2017-2028)
- 2.9 India Piezo Haptic Actuators Consumption (2017-2028)

3 WORLD PIEZO HAPTIC ACTUATORS MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Piezo Haptic Actuators Production Value by Manufacturer (2017-2022)
- 3.2 World Piezo Haptic Actuators Production by Manufacturer (2017-2022)
- 3.3 World Piezo Haptic Actuators Average Price by Manufacturer (2017-2022)
- 3.4 Piezo Haptic Actuators Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Piezo Haptic Actuators Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Piezo Haptic Actuators in 2021
 - 3.5.3 Global Concentration Ratios (CR8) for Piezo Haptic Actuators in 2021
- 3.6 Piezo Haptic Actuators Market: Overall Company Footprint Analysis
 - 3.6.1 Piezo Haptic Actuators Market: Region Footprint
 - 3.6.2 Piezo Haptic Actuators Market: Company Product Type Footprint
 - 3.6.3 Piezo Haptic Actuators Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Piezo Haptic Actuators Production Value Comparison
 - 4.1.1 United States VS China: Piezo Haptic Actuators Production Value Comparison (2017 & 2021 & 2028)
 - 4.1.2 United States VS China: Piezo Haptic Actuators Production Value Market Share Comparison (2017 & 2021 & 2028)
- 4.2 United States VS China: Piezo Haptic Actuators Production Comparison
 - 4.2.1 United States VS China: Piezo Haptic Actuators Production Comparison (2017 & 2021 & 2028)
 - 4.2.2 United States VS China: Piezo Haptic Actuators Production Market Share Comparison (2017 & 2021 & 2028)
- 4.3 United States VS China: Piezo Haptic Actuators Consumption Comparison
 - 4.3.1 United States VS China: Piezo Haptic Actuators Consumption Comparison (2017 & 2021 & 2028)
 - 4.3.2 United States VS China: Piezo Haptic Actuators Consumption Market Share

Comparison (2017 & 2021 & 2028)

4.4 United States Piezo Haptic Actuators Key Producers and Market Share, 2017-2022

4.4.1 Major Manufacturer of Piezo Haptic Actuators in United States, Company Headquarters and Production Place (States, Country)

4.4.2 United States Piezo Haptic Actuators Production Value by Domestic Manufacturer, (2017-2022)

4.4.3 United States Piezo Haptic Actuators Production by Domestic Manufacturer, (2017-2022)

4.5 China Piezo Haptic Actuators Key Producers and Market Share, 2017-2022

4.5.1 Major Manufacturer of Piezo Haptic Actuators in China, Company Headquarters and Production Place (Province, Country)

4.5.2 China Piezo Haptic Actuators Production Value by Domestic Manufacturer, (2017-2022)

4.5.3 China Piezo Haptic Actuators Production by Domestic Manufacturer, (2017-2022)

4.6 Rest of World Piezo Haptic Actuators Key Producers and Market Share, 2017-2022

4.6.1 Major Manufacturer of Piezo Haptic Actuators in Rest of World, Company Headquarters and Production Place (State, Country)

4.6.2 Rest of World Piezo Haptic Actuators Production Value by Domestic Manufacturer, (2017-2022)

4.6.3 Rest of World Piezo Haptic Actuators Production by Domestic Manufacturer, (2017-2022)

5 MARKET ANALYSIS BY TYPE

5.1 World Piezo Haptic Actuators Market Size Overview by Type: 2017 VS 2021 VS 2028

5.2 Segment Introduction by Type

5.2.1 Conventional Piezo Haptic Actuators

5.2.2 Piezo Film Haptic Actuators

5.3 Market Segment by Type

5.3.1 World Piezo Haptic Actuators Production by Type (2017-2028)

5.3.2 World Piezo Haptic Actuators Production Value by Type (2017-2028)

5.3.3 World Piezo Haptic Actuators Average Price by Type (2017-2028)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Piezo Haptic Actuators Market Size Overview by Application: 2017 VS 2021 VS 2028

6.2 Segment Introduction by Application

6.2.1 Mobile Terminal

6.2.2 Wearable Devices

6.2.3 Automotive

6.2.4 Others

6.3 Market Segment by Application

6.3.1 World Piezo Haptic Actuators Production by Application (2017-2028)

6.3.2 World Piezo Haptic Actuators Production Value by Application (2017-2028)

6.3.3 World Piezo Haptic Actuators Average Price by Application (2017-2028)

7 COMPANY PROFILES

7.1 Yageo

7.1.1 Yageo Details

7.1.2 Yageo Major Business

7.1.3 Yageo Piezo Haptic Actuators Product and Services

7.1.4 Yageo Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.1.5 Yageo Recent Developments/Updates

7.1.6 Yageo Competitive Strengths & Weaknesses

7.2 TDK Electronics

7.2.1 TDK Electronics Details

7.2.2 TDK Electronics Major Business

7.2.3 TDK Electronics Piezo Haptic Actuators Product and Services

7.2.4 TDK Electronics Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.2.5 TDK Electronics Recent Developments/Updates

7.2.6 TDK Electronics Competitive Strengths & Weaknesses

7.3 Bor?as Technologies

7.3.1 Bor?as Technologies Details

7.3.2 Bor?as Technologies Major Business

7.3.3 Bor?as Technologies Piezo Haptic Actuators Product and Services

7.3.4 Bor?as Technologies Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)

7.3.5 Bor?as Technologies Recent Developments/Updates

7.3.6 Bor?as Technologies Competitive Strengths & Weaknesses

7.4 Nidec Corporation

7.4.1 Nidec Corporation Details

7.4.2 Nidec Corporation Major Business

- 7.4.3 Nidec Corporation Piezo Haptic Actuators Product and Services
- 7.4.4 Nidec Corporation Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)
- 7.4.5 Nidec Corporation Recent Developments/Updates
- 7.4.6 Nidec Corporation Competitive Strengths & Weaknesses
- 7.5 MPlus Co.LTD
 - 7.5.1 MPlus Co.LTD Details
 - 7.5.2 MPlus Co.LTD Major Business
 - 7.5.3 MPlus Co.LTD Piezo Haptic Actuators Product and Services
 - 7.5.4 MPlus Co.LTD Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.5.5 MPlus Co.LTD Recent Developments/Updates
 - 7.5.6 MPlus Co.LTD Competitive Strengths & Weaknesses
- 7.6 Novasentis
 - 7.6.1 Novasentis Details
 - 7.6.2 Novasentis Major Business
 - 7.6.3 Novasentis Piezo Haptic Actuators Product and Services
 - 7.6.4 Novasentis Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.6.5 Novasentis Recent Developments/Updates
 - 7.6.6 Novasentis Competitive Strengths & Weaknesses
- 7.7 PI Ceramic
 - 7.7.1 PI Ceramic Details
 - 7.7.2 PI Ceramic Major Business
 - 7.7.3 PI Ceramic Piezo Haptic Actuators Product and Services
 - 7.7.4 PI Ceramic Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.7.5 PI Ceramic Recent Developments/Updates
 - 7.7.6 PI Ceramic Competitive Strengths & Weaknesses
- 7.8 Johnson Electric
 - 7.8.1 Johnson Electric Details
 - 7.8.2 Johnson Electric Major Business
 - 7.8.3 Johnson Electric Piezo Haptic Actuators Product and Services
 - 7.8.4 Johnson Electric Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.8.5 Johnson Electric Recent Developments/Updates
 - 7.8.6 Johnson Electric Competitive Strengths & Weaknesses
- 7.9 Texas Instruments
 - 7.9.1 Texas Instruments Details

- 7.9.2 Texas Instruments Major Business
- 7.9.3 Texas Instruments Piezo Haptic Actuators Product and Services
- 7.9.4 Texas Instruments Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)
- 7.9.5 Texas Instruments Recent Developments/Updates
- 7.9.6 Texas Instruments Competitive Strengths & Weaknesses
- 7.10 Vishay Intertechnology
 - 7.10.1 Vishay Intertechnology Details
 - 7.10.2 Vishay Intertechnology Major Business
 - 7.10.3 Vishay Intertechnology Piezo Haptic Actuators Product and Services
 - 7.10.4 Vishay Intertechnology Piezo Haptic Actuators Production, Price, Value, Gross Margin and Market Share (2017-2022)
 - 7.10.5 Vishay Intertechnology Recent Developments/Updates
 - 7.10.6 Vishay Intertechnology Competitive Strengths & Weaknesses

8 RAW MATERIAL AND INDUSTRY CHAIN

- 8.1 Raw Material of Piezo Haptic Actuators and Key Manufacturers
- 8.2 Piezo Haptic Actuators Manufacturing Costs
- 8.3 Piezo Haptic Actuators Production Process
- 8.4 Piezo Haptic Actuators Industrial Chain

9 DISTRIBUTION CHANNEL ANALYSIS

- 9.1 Distribution Channel Breakdown for Piezo Haptic Actuators Shipments (%): 2017-2028
 - 9.1.1 Direct Channel
 - 9.1.2 Indirect Channel
- 9.2 Piezo Haptic Actuators Typical Distributors
- 9.3 Piezo Haptic Actuators Typical Customers

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

- 11.1 Methodology
- 11.2 Research Process and Data Source
- 11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Piezo Haptic Actuators Production Value by Region (2017, 2022 and 2028) & (USD Million)

Table 2. World Piezo Haptic Actuators Production Value by Region (2017-2022) & (USD Million)

Table 3. World Piezo Haptic Actuators Production Value by Region (2023-2028) & (USD Million)

Table 4. World Piezo Haptic Actuators Production Value Market Share by Region (2017-2022)

Table 5. World Piezo Haptic Actuators Production Value Market Share by Region (2023-2028)

Table 6. World Piezo Haptic Actuators Production by Region (2017-2022) & (K Units)

Table 7. World Piezo Haptic Actuators Production by Region (2023-2028) & (K Units)

Table 8. World Piezo Haptic Actuators Production Market Share by Region (2017-2022)

Table 9. World Piezo Haptic Actuators Production Market Share by Region (2023-2028)

Table 10. World Piezo Haptic Actuators Average Price by Region (2017-2022) & (US\$/Unit)

Table 11. World Piezo Haptic Actuators Average Price by Region (2023-2028) & (US\$/Unit)

Table 12. Piezo Haptic Actuators Major Market Trends

Table 13. World Piezo Haptic Actuators Consumption Growth Rate Forecast by Region (2017 & 2021 & 2028) & (K Units)

Table 14. World Piezo Haptic Actuators Consumption by Region (2017-2022) & (K Units)

Table 15. World Piezo Haptic Actuators Consumption Forecast by Region (2023-2028) & (K Units)

Table 16. World Piezo Haptic Actuators Production Value by Manufacturer (2017-2022) & (USD Million)

Table 17. Production Value Market Share of Key Piezo Haptic Actuators Producers in 2021

Table 18. World Piezo Haptic Actuators Production by Manufacturer (2017-2022) & (K Units)

Table 19. Production Market Share of Key Piezo Haptic Actuators Producers in 2021

Table 20. World Piezo Haptic Actuators Average Price by Manufacturer (2017-2022) & (US\$/Unit)

Table 21. Global Piezo Haptic Actuators Company Evaluation Quadrant

Table 22. World Piezo Haptic Actuators Industry Rank of Major Manufacturers, Based on Production Value in 2021

Table 23. Head Office and Piezo Haptic Actuators Production Site of Key Manufacturer

Table 24. Piezo Haptic Actuators Market: Company Product Type Footprint

Table 25. Piezo Haptic Actuators Market: Company Product Application Footprint

Table 26. Piezo Haptic Actuators Competitive Factors

Table 27. Piezo Haptic Actuators New Entrant and Capacity Expansion Plans

Table 28. Piezo Haptic Actuators Mergers & Acquisitions Activity

Table 29. United States VS China Piezo Haptic Actuators Production Value Comparison, (2017 & 2021 & 2028) & (USD Million)

Table 30. United States VS China Piezo Haptic Actuators Production Comparison, (2017 & 2021 & 2028) & (K Units)

Table 31. United States VS China Piezo Haptic Actuators Consumption Comparison, (2017 & 2021 & 2028) & (K Units)

Table 32. Major Manufacturer of Piezo Haptic Actuators in United States, Company Headquarters and Production Place (States, Country)

Table 33. United States Piezo Haptic Actuators Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 34. United States Piezo Haptic Actuators Production Value Market Share by Domestic Manufacturer, (2017-2022)

Table 35. United States Piezo Haptic Actuators Production by Domestic Manufacturer, (2017-2022) & (K Units)

Table 36. United States Piezo Haptic Actuators Production Market Share by Domestic Manufacturer, (2017-2022)

Table 37. Major Manufacturer of Piezo Haptic Actuators in China, Company Headquarters and Production Place (Province, Country)

Table 38. China Piezo Haptic Actuators Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 39. China Piezo Haptic Actuators Production Value Market Share by Domestic Manufacturer, (2017-2022)

Table 40. China Piezo Haptic Actuators Production by Domestic Manufacturer, (2017-2022) & (K Units)

Table 41. China Piezo Haptic Actuators Production Market Share by Domestic Manufacturer, (2017-2022)

Table 42. Major Manufacturer of Piezo Haptic Actuators in Rest of World, Company Headquarters and Production Place (State, Country)

Table 43. Rest of World Piezo Haptic Actuators Production Value by Domestic Manufacturer, (2017-2022) & (USD Million)

Table 44. Rest of World Piezo Haptic Actuators Production Value Market Share by

Domestic Manufacturer, (2017-2022)

Table 45. Rest of World Piezo Haptic Actuators Production by Domestic Manufacturer, (2017-2022) & (K Units)

Table 46. Rest of World Piezo Haptic Actuators Production Market Share by Domestic Manufacturer, (2017-2022)

Table 47. World Piezo Haptic Actuators Production Value by Type, (USD Million), 2017 & 2021 & 2028

Table 48. World Piezo Haptic Actuators Production by Type (2017-2022) & (K Units)

Table 49. World Piezo Haptic Actuators Production by Type (2023-2028) & (K Units)

Table 50. World Piezo Haptic Actuators Production Value by Type (2017-2022) & (USD Million)

Table 51. World Piezo Haptic Actuators Production Value by Type (2023-2028) & (USD Million)

Table 52. World Piezo Haptic Actuators Average Price by Type (2017-2022) & (US\$/Unit)

Table 53. World Piezo Haptic Actuators Average Price by Type (2023-2028) & (US\$/Unit)

Table 54. World Piezo Haptic Actuators Production Value by Application, (USD Million), 2017 & 2021 & 2028

Table 55. World Piezo Haptic Actuators Production by Application (2017-2022) & (K Units)

Table 56. World Piezo Haptic Actuators Production by Application (2023-2028) & (K Units)

Table 57. World Piezo Haptic Actuators Production Value by Application (2017-2022) & (USD Million)

Table 58. World Piezo Haptic Actuators Production Value by Application (2023-2028) & (USD Million)

Table 59. World Piezo Haptic Actuators Average Price by Application (2017-2022) & (US\$/Unit)

Table 60. World Piezo Haptic Actuators Average Price by Application (2023-2028) & (US\$/Unit)

Table 61. Yageo Basic Information, Manufacturing Base and Competitors

Table 62. Yageo Major Business

Table 63. Yageo Piezo Haptic Actuators Product and Services

Table 64. Yageo Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)

Table 65. Yageo Recent Developments/Updates

Table 66. Yageo Competitive Strengths & Weaknesses

Table 67. TDK Electronics Basic Information, Manufacturing Base and Competitors

Table 68. TDK Electronics Major Business
Table 69. TDK Electronics Piezo Haptic Actuators Product and Services
Table 70. TDK Electronics Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 71. TDK Electronics Recent Developments/Updates
Table 72. TDK Electronics Competitive Strengths & Weaknesses
Table 73. Bor?as Technologies Basic Information, Manufacturing Base and Competitors
Table 74. Bor?as Technologies Major Business
Table 75. Bor?as Technologies Piezo Haptic Actuators Product and Services
Table 76. Bor?as Technologies Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 77. Bor?as Technologies Recent Developments/Updates
Table 78. Bor?as Technologies Competitive Strengths & Weaknesses
Table 79. Nidec Corporation Basic Information, Manufacturing Base and Competitors
Table 80. Nidec Corporation Major Business
Table 81. Nidec Corporation Piezo Haptic Actuators Product and Services
Table 82. Nidec Corporation Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 83. Nidec Corporation Recent Developments/Updates
Table 84. Nidec Corporation Competitive Strengths & Weaknesses
Table 85. MPlus Co.LTD Basic Information, Manufacturing Base and Competitors
Table 86. MPlus Co.LTD Major Business
Table 87. MPlus Co.LTD Piezo Haptic Actuators Product and Services
Table 88. MPlus Co.LTD Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 89. MPlus Co.LTD Recent Developments/Updates
Table 90. MPlus Co.LTD Competitive Strengths & Weaknesses
Table 91. Novasentis Basic Information, Manufacturing Base and Competitors
Table 92. Novasentis Major Business
Table 93. Novasentis Piezo Haptic Actuators Product and Services
Table 94. Novasentis Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 95. Novasentis Recent Developments/Updates
Table 96. Novasentis Competitive Strengths & Weaknesses
Table 97. PI Ceramic Basic Information, Manufacturing Base and Competitors
Table 98. PI Ceramic Major Business

Table 99. PI Ceramic Piezo Haptic Actuators Product and Services
Table 100. PI Ceramic Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 101. PI Ceramic Recent Developments/Updates
Table 102. PI Ceramic Competitive Strengths & Weaknesses
Table 103. Johnson Electric Basic Information, Manufacturing Base and Competitors
Table 104. Johnson Electric Major Business
Table 105. Johnson Electric Piezo Haptic Actuators Product and Services
Table 106. Johnson Electric Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 107. Johnson Electric Recent Developments/Updates
Table 108. Johnson Electric Competitive Strengths & Weaknesses
Table 109. Texas Instruments Basic Information, Manufacturing Base and Competitors
Table 110. Texas Instruments Major Business
Table 111. Texas Instruments Piezo Haptic Actuators Product and Services
Table 112. Texas Instruments Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 113. Texas Instruments Recent Developments/Updates
Table 114. Vishay Intertechnology Basic Information, Manufacturing Base and Competitors
Table 115. Vishay Intertechnology Major Business
Table 116. Vishay Intertechnology Piezo Haptic Actuators Product and Services
Table 117. Vishay Intertechnology Piezo Haptic Actuators Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2017-2022)
Table 118. Piezo Haptic Actuators Raw Material
Table 119. Key Manufacturers of Piezo Haptic Actuators Raw Materials
Table 120. Piezo Haptic Actuators Typical Distributors
Table 121. Piezo Haptic Actuators Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Piezo Haptic Actuators Picture

Figure 2. World Piezo Haptic Actuators Production Value: 2017 & 2021 & 2028, (USD Million)

Figure 3. World Piezo Haptic Actuators Production Value and Forecast (2017-2028) & (USD Million)

Figure 4. World Piezo Haptic Actuators Production (2017-2028) & (K Units)

Figure 5. World Piezo Haptic Actuators Average Price (2017-2028) & (US\$/Unit)

Figure 6. World Piezo Haptic Actuators Production Value Market Share by Region (2017-2028)

Figure 7. World Piezo Haptic Actuators Production Market Share by Region (2017-2028)

Figure 8. North America Piezo Haptic Actuators Production (2017-2028) & (K Units)

Figure 9. Europe Piezo Haptic Actuators Production (2017-2028) & (K Units)

Figure 10. China Piezo Haptic Actuators Production (2017-2028) & (K Units)

Figure 11. Japan Piezo Haptic Actuators Production (2017-2028) & (K Units)

Figure 12. South Korea Piezo Haptic Actuators Production (2017-2028) & (K Units)

Figure 13. Piezo Haptic Actuators Market Drivers

Figure 14. Factors Affecting Demand

Figure 15. World Piezo Haptic Actuators Demand (2017-2028) & (K Units)

Figure 16. World Piezo Haptic Actuators Consumption Market Share by Region (2017-2028)

Figure 17. United States Piezo Haptic Actuators Consumption (2017-2028) & (K Units)

Figure 18. China Piezo Haptic Actuators Consumption (2017-2028) & (K Units)

Figure 19. Europe Piezo Haptic Actuators Consumption (2017-2028) & (K Units)

Figure 20. Japan Piezo Haptic Actuators Consumption (2017-2028) & (K Units)

Figure 21. South Korea Piezo Haptic Actuators Consumption (2017-2028) & (K Units)

Figure 22. ASEAN Piezo Haptic Actuators Consumption (2017-2028) & (K Units)

Figure 23. India Piezo Haptic Actuators Consumption (2017-2028) & (K Units)

Figure 24. Producer Shipments of Piezo Haptic Actuators by Manufacturer Revenue (\$MM) and Market Share (%): 2021

Figure 25. Global Four-firm Concentration Ratios (CR4) for Piezo Haptic Actuators Markets in 2021

Figure 26. Global Four-firm Concentration Ratios (CR8) for Piezo Haptic Actuators Markets in 2021

Figure 27. United States VS China: Piezo Haptic Actuators Production Value Market

Share Comparison (2017 & 2021 & 2028)

Figure 28. United States VS China: Piezo Haptic Actuators Production Market Share Comparison (2017 & 2021 & 2028)

Figure 29. United States VS China: Piezo Haptic Actuators Consumption Market Share Comparison (2017 & 2021 & 2028)

Figure 30. Key Producers and Market Share of Piezo Haptic Actuators in United States

Figure 31. Key Producers and Market Share of Piezo Haptic Actuators in China

Figure 32. Key Producers and Market Share of Piezo Haptic Actuators in Rest of World

Figure 33. World Piezo Haptic Actuators Production Value by Type, (USD Million), 2017 & 2021 & 2028

Figure 34. World Piezo Haptic Actuators Production Value Market Share by Type in 2021

Figure 35. Conventional Piezo Haptic Actuators

Figure 36. Piezo Film Haptic Actuators

Figure 37. World Piezo Haptic Actuators Production Market Share by Type (2017-2028)

Figure 38. World Piezo Haptic Actuators Production Value Market Share by Type (2017-2028)

Figure 39. World Piezo Haptic Actuators Average Price by Type (2017-2028) & (US\$/Unit)

Figure 40. World Piezo Haptic Actuators Production Value by Application, (USD Million), 2017 & 2021 & 2028

Figure 41. World Piezo Haptic Actuators Production Value Market Share by Application in 2021

Figure 42. Mobile Terminal

Figure 43. Wearable Devices

Figure 44. Automotive

Figure 45. Others

Figure 46. World Piezo Haptic Actuators Production Market Share by Application (2017-2028)

Figure 47. World Piezo Haptic Actuators Production Value Market Share by Application (2017-2028)

Figure 48. World Piezo Haptic Actuators Average Price by Application (2017-2028) & (US\$/Unit)

Figure 49. Manufacturing Cost Structure Analysis of Piezo Haptic Actuators in 2021

Figure 50. Manufacturing Process Analysis of Piezo Haptic Actuators

Figure 51. Piezo Haptic Actuators Industrial Chain

Figure 52. Distribution Channel Breakdown for Piezo Haptic Actuators Shipments (%): 2017-2028

Figure 53. Direct Channel Pros & Cons

Figure 54. Indirect Channel Pros & Cons

Figure 55. Methodology

Figure 56. Research Process and Data Source

I would like to order

Product name: Global Piezo Haptic Actuators Production, Demand and Key Producers, 2022-2028

Product link: <https://marketpublishers.com/r/G66AEF445488EN.html>

Price: US\$ 4,480.00 (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/G66AEF445488EN.html>