

Global Piezoelectric Elements Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G7BD3EDA08D5EN.html>

Date: January 2024

Pages: 132

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

ID: G7BD3EDA08D5EN

Abstracts

According to our (Global Info Research) latest study, the global Piezoelectric Elements market size was valued at USD 609.1 million in 2023 and is forecast to a readjusted size of USD 953 million by 2030 with a CAGR of 6.6% during review period.

Piezoelectric elements refer to piezoceramic elements /components which are ceramic sheets that utilize the reversibility of the piezoelectric effect to apply an audio voltage thereon to cause mechanical vibration and sound.

According to types, the most proportion of the Piezoelectric Elements is PZT-based, taking about 70% sales share of global market in 2019. The most proportion of Piezoelectric Elements is used for Industrial & Manufacturing and the proportion is about 35% in 2019. North America and Europe are the major consumption region of the global market, which take about 63% market share.

The Global Info Research report includes an overview of the development of the Piezoelectric Elements industry chain, the market status of Industrial & Manufacturing (PZT-based, PMN-based), Automotive (PZT-based, PMN-based), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Piezoelectric Elements.

Regionally, the report analyzes the Piezoelectric Elements 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 Piezoelectric Elements market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Piezoelectric Elements 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 Piezoelectric Elements 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., PZT-based, PMN-based).

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 Piezoelectric Elements market.

Regional Analysis: The report involves examining the Piezoelectric Elements 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 Piezoelectric Elements market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Piezoelectric Elements:

Company Analysis: Report covers individual Piezoelectric Elements 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 Piezoelectric Elements This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industrial &

Manufacturing, Automotive).

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

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Piezoelectric Elements 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

Piezoelectric Elements 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

PZT-based

PMN-based

Others

Market segment by Application

Industrial & Manufacturing

Automotive

Consumer Electronics

Medical

Military

Other

Major players covered

Kyocera

Johnson Matthey

CTS Corporation

PI Ceramic GmbH

Harris

Fuji Ceramics Corporation

Piezo Technologies

Meggitt Sensing

TRS Technologies?Inc

TDK Corporation

MSI Tranducers Corp.

APC International

Piezo Kinetics

Sparkler Ceramics

Weifang Jude Electronic Co.,Ltd

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 Piezoelectric Elements product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Piezoelectric Elements 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 Piezoelectric Elements 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 Piezoelectric Elements.

Chapter 14 and 15, to describe Piezoelectric Elements sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Piezoelectric Elements

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Piezoelectric Elements Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 PZT-based

1.3.3 PMN-based

1.3.4 Others

1.4 Market Analysis by Application

1.4.1 Overview: Global Piezoelectric Elements Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Industrial & Manufacturing

1.4.3 Automotive

1.4.4 Consumer Electronics

1.4.5 Medical

1.4.6 Military

1.4.7 Other

1.5 Global Piezoelectric Elements Market Size & Forecast

1.5.1 Global Piezoelectric Elements Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Piezoelectric Elements Sales Quantity (2019-2030)

1.5.3 Global Piezoelectric Elements Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Kyocera

2.1.1 Kyocera Details

2.1.2 Kyocera Major Business

2.1.3 Kyocera Piezoelectric Elements Product and Services

2.1.4 Kyocera Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Kyocera Recent Developments/Updates

2.2 Johnson Matthey

2.2.1 Johnson Matthey Details

2.2.2 Johnson Matthey Major Business

2.2.3 Johnson Matthey Piezoelectric Elements Product and Services

- 2.2.4 Johnson Matthey Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.2.5 Johnson Matthey Recent Developments/Updates
- 2.3 CTS Corporation
 - 2.3.1 CTS Corporation Details
 - 2.3.2 CTS Corporation Major Business
 - 2.3.3 CTS Corporation Piezoelectric Elements Product and Services
 - 2.3.4 CTS Corporation Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.3.5 CTS Corporation Recent Developments/Updates
- 2.4 PI Ceramic GmbH
 - 2.4.1 PI Ceramic GmbH Details
 - 2.4.2 PI Ceramic GmbH Major Business
 - 2.4.3 PI Ceramic GmbH Piezoelectric Elements Product and Services
 - 2.4.4 PI Ceramic GmbH Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.4.5 PI Ceramic GmbH Recent Developments/Updates
- 2.5 Harris
 - 2.5.1 Harris Details
 - 2.5.2 Harris Major Business
 - 2.5.3 Harris Piezoelectric Elements Product and Services
 - 2.5.4 Harris Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.5.5 Harris Recent Developments/Updates
- 2.6 Fuji Ceramics Corporation
 - 2.6.1 Fuji Ceramics Corporation Details
 - 2.6.2 Fuji Ceramics Corporation Major Business
 - 2.6.3 Fuji Ceramics Corporation Piezoelectric Elements Product and Services
 - 2.6.4 Fuji Ceramics Corporation Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.6.5 Fuji Ceramics Corporation Recent Developments/Updates
- 2.7 Piezo Technologies
 - 2.7.1 Piezo Technologies Details
 - 2.7.2 Piezo Technologies Major Business
 - 2.7.3 Piezo Technologies Piezoelectric Elements Product and Services
 - 2.7.4 Piezo Technologies Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.7.5 Piezo Technologies Recent Developments/Updates
- 2.8 Meggitt Sensing

- 2.8.1 Meggitt Sensing Details
- 2.8.2 Meggitt Sensing Major Business
- 2.8.3 Meggitt Sensing Piezoelectric Elements Product and Services
- 2.8.4 Meggitt Sensing Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Meggitt Sensing Recent Developments/Updates
- 2.9 TRS Technologies?Inc
- 2.9.1 TRS Technologies?Inc Details
- 2.9.2 TRS Technologies?Inc Major Business
- 2.9.3 TRS Technologies?Inc Piezoelectric Elements Product and Services
- 2.9.4 TRS Technologies?Inc Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.9.5 TRS Technologies?Inc Recent Developments/Updates
- 2.10 TDK Corporation
- 2.10.1 TDK Corporation Details
- 2.10.2 TDK Corporation Major Business
- 2.10.3 TDK Corporation Piezoelectric Elements Product and Services
- 2.10.4 TDK Corporation Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.10.5 TDK Corporation Recent Developments/Updates
- 2.11 MSI Tranducers Corp.
- 2.11.1 MSI Tranducers Corp. Details
- 2.11.2 MSI Tranducers Corp. Major Business
- 2.11.3 MSI Tranducers Corp. Piezoelectric Elements Product and Services
- 2.11.4 MSI Tranducers Corp. Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.11.5 MSI Tranducers Corp. Recent Developments/Updates
- 2.12 APC International
- 2.12.1 APC International Details
- 2.12.2 APC International Major Business
- 2.12.3 APC International Piezoelectric Elements Product and Services
- 2.12.4 APC International Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.12.5 APC International Recent Developments/Updates
- 2.13 Piezo Kinetics
- 2.13.1 Piezo Kinetics Details
- 2.13.2 Piezo Kinetics Major Business
- 2.13.3 Piezo Kinetics Piezoelectric Elements Product and Services
- 2.13.4 Piezo Kinetics Piezoelectric Elements Sales Quantity, Average Price, Revenue,

Gross Margin and Market Share (2019-2024)

2.13.5 Piezo Kinetics Recent Developments/Updates

2.14 Sparkler Ceramics

2.14.1 Sparkler Ceramics Details

2.14.2 Sparkler Ceramics Major Business

2.14.3 Sparkler Ceramics Piezoelectric Elements Product and Services

2.14.4 Sparkler Ceramics Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.14.5 Sparkler Ceramics Recent Developments/Updates

2.15 Weifang Jude Electronic Co.,Ltd

2.15.1 Weifang Jude Electronic Co.,Ltd Details

2.15.2 Weifang Jude Electronic Co.,Ltd Major Business

2.15.3 Weifang Jude Electronic Co.,Ltd Piezoelectric Elements Product and Services

2.15.4 Weifang Jude Electronic Co.,Ltd Piezoelectric Elements Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.15.5 Weifang Jude Electronic Co.,Ltd Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: PIEZOELECTRIC ELEMENTS BY MANUFACTURER

3.1 Global Piezoelectric Elements Sales Quantity by Manufacturer (2019-2024)

3.2 Global Piezoelectric Elements Revenue by Manufacturer (2019-2024)

3.3 Global Piezoelectric Elements Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Piezoelectric Elements by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Piezoelectric Elements Manufacturer Market Share in 2023

3.4.2 Top 6 Piezoelectric Elements Manufacturer Market Share in 2023

3.5 Piezoelectric Elements Market: Overall Company Footprint Analysis

3.5.1 Piezoelectric Elements Market: Region Footprint

3.5.2 Piezoelectric Elements Market: Company Product Type Footprint

3.5.3 Piezoelectric Elements 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 Piezoelectric Elements Market Size by Region

4.1.1 Global Piezoelectric Elements Sales Quantity by Region (2019-2030)

- 4.1.2 Global Piezoelectric Elements Consumption Value by Region (2019-2030)
- 4.1.3 Global Piezoelectric Elements Average Price by Region (2019-2030)
- 4.2 North America Piezoelectric Elements Consumption Value (2019-2030)
- 4.3 Europe Piezoelectric Elements Consumption Value (2019-2030)
- 4.4 Asia-Pacific Piezoelectric Elements Consumption Value (2019-2030)
- 4.5 South America Piezoelectric Elements Consumption Value (2019-2030)
- 4.6 Middle East and Africa Piezoelectric Elements Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Piezoelectric Elements Sales Quantity by Type (2019-2030)
- 5.2 Global Piezoelectric Elements Consumption Value by Type (2019-2030)
- 5.3 Global Piezoelectric Elements Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Piezoelectric Elements Sales Quantity by Application (2019-2030)
- 6.2 Global Piezoelectric Elements Consumption Value by Application (2019-2030)
- 6.3 Global Piezoelectric Elements Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Piezoelectric Elements Sales Quantity by Type (2019-2030)
- 7.2 North America Piezoelectric Elements Sales Quantity by Application (2019-2030)
- 7.3 North America Piezoelectric Elements Market Size by Country
 - 7.3.1 North America Piezoelectric Elements Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Piezoelectric Elements 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 Piezoelectric Elements Sales Quantity by Type (2019-2030)
- 8.2 Europe Piezoelectric Elements Sales Quantity by Application (2019-2030)
- 8.3 Europe Piezoelectric Elements Market Size by Country
 - 8.3.1 Europe Piezoelectric Elements Sales Quantity by Country (2019-2030)
 - 8.3.2 Europe Piezoelectric Elements 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 Piezoelectric Elements Sales Quantity by Type (2019-2030)
- 9.2 Asia-Pacific Piezoelectric Elements Sales Quantity by Application (2019-2030)
- 9.3 Asia-Pacific Piezoelectric Elements Market Size by Region
 - 9.3.1 Asia-Pacific Piezoelectric Elements Sales Quantity by Region (2019-2030)
 - 9.3.2 Asia-Pacific Piezoelectric Elements 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 Piezoelectric Elements Sales Quantity by Type (2019-2030)
- 10.2 South America Piezoelectric Elements Sales Quantity by Application (2019-2030)
- 10.3 South America Piezoelectric Elements Market Size by Country
 - 10.3.1 South America Piezoelectric Elements Sales Quantity by Country (2019-2030)
 - 10.3.2 South America Piezoelectric Elements 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 Piezoelectric Elements Sales Quantity by Type (2019-2030)
- 11.2 Middle East & Africa Piezoelectric Elements Sales Quantity by Application (2019-2030)
- 11.3 Middle East & Africa Piezoelectric Elements Market Size by Country
 - 11.3.1 Middle East & Africa Piezoelectric Elements Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Piezoelectric Elements 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 Piezoelectric Elements Market Drivers

12.2 Piezoelectric Elements Market Restraints

12.3 Piezoelectric Elements 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 Piezoelectric Elements and Key Manufacturers

13.2 Manufacturing Costs Percentage of Piezoelectric Elements

13.3 Piezoelectric Elements Production Process

13.4 Piezoelectric Elements Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Piezoelectric Elements Typical Distributors

14.3 Piezoelectric Elements 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 Piezoelectric Elements Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Piezoelectric Elements Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Kyocera Basic Information, Manufacturing Base and Competitors

Table 4. Kyocera Major Business

Table 5. Kyocera Piezoelectric Elements Product and Services

Table 6. Kyocera Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Kyocera Recent Developments/Updates

Table 8. Johnson Matthey Basic Information, Manufacturing Base and Competitors

Table 9. Johnson Matthey Major Business

Table 10. Johnson Matthey Piezoelectric Elements Product and Services

Table 11. Johnson Matthey Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Johnson Matthey Recent Developments/Updates

Table 13. CTS Corporation Basic Information, Manufacturing Base and Competitors

Table 14. CTS Corporation Major Business

Table 15. CTS Corporation Piezoelectric Elements Product and Services

Table 16. CTS Corporation Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. CTS Corporation Recent Developments/Updates

Table 18. PI Ceramic GmbH Basic Information, Manufacturing Base and Competitors

Table 19. PI Ceramic GmbH Major Business

Table 20. PI Ceramic GmbH Piezoelectric Elements Product and Services

Table 21. PI Ceramic GmbH Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. PI Ceramic GmbH Recent Developments/Updates

Table 23. Harris Basic Information, Manufacturing Base and Competitors

Table 24. Harris Major Business

Table 25. Harris Piezoelectric Elements Product and Services

Table 26. Harris Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Harris Recent Developments/Updates

Table 28. Fuji Ceramics Corporation Basic Information, Manufacturing Base and

Competitors

Table 29. Fuji Ceramics Corporation Major Business

Table 30. Fuji Ceramics Corporation Piezoelectric Elements Product and Services

Table 31. Fuji Ceramics Corporation Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Fuji Ceramics Corporation Recent Developments/Updates

Table 33. Piezo Technologies Basic Information, Manufacturing Base and Competitors

Table 34. Piezo Technologies Major Business

Table 35. Piezo Technologies Piezoelectric Elements Product and Services

Table 36. Piezo Technologies Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Piezo Technologies Recent Developments/Updates

Table 38. Meggitt Sensing Basic Information, Manufacturing Base and Competitors

Table 39. Meggitt Sensing Major Business

Table 40. Meggitt Sensing Piezoelectric Elements Product and Services

Table 41. Meggitt Sensing Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Meggitt Sensing Recent Developments/Updates

Table 43. TRS Technologies?Inc Basic Information, Manufacturing Base and Competitors

Table 44. TRS Technologies?Inc Major Business

Table 45. TRS Technologies?Inc Piezoelectric Elements Product and Services

Table 46. TRS Technologies?Inc Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. TRS Technologies?Inc Recent Developments/Updates

Table 48. TDK Corporation Basic Information, Manufacturing Base and Competitors

Table 49. TDK Corporation Major Business

Table 50. TDK Corporation Piezoelectric Elements Product and Services

Table 51. TDK Corporation Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. TDK Corporation Recent Developments/Updates

Table 53. MSI Tranducers Corp. Basic Information, Manufacturing Base and Competitors

Table 54. MSI Tranducers Corp. Major Business

Table 55. MSI Tranducers Corp. Piezoelectric Elements Product and Services

Table 56. MSI Tranducers Corp. Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share

(2019-2024)

Table 57. MSI Tranducers Corp. Recent Developments/Updates

Table 58. APC International Basic Information, Manufacturing Base and Competitors

Table 59. APC International Major Business

Table 60. APC International Piezoelectric Elements Product and Services

Table 61. APC International Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 62. APC International Recent Developments/Updates

Table 63. Piezo Kinetics Basic Information, Manufacturing Base and Competitors

Table 64. Piezo Kinetics Major Business

Table 65. Piezo Kinetics Piezoelectric Elements Product and Services

Table 66. Piezo Kinetics Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 67. Piezo Kinetics Recent Developments/Updates

Table 68. Sparkler Ceramics Basic Information, Manufacturing Base and Competitors

Table 69. Sparkler Ceramics Major Business

Table 70. Sparkler Ceramics Piezoelectric Elements Product and Services

Table 71. Sparkler Ceramics Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 72. Sparkler Ceramics Recent Developments/Updates

Table 73. Weifang Jude Electronic Co.,Ltd Basic Information, Manufacturing Base and Competitors

Table 74. Weifang Jude Electronic Co.,Ltd Major Business

Table 75. Weifang Jude Electronic Co.,Ltd Piezoelectric Elements Product and Services

Table 76. Weifang Jude Electronic Co.,Ltd Piezoelectric Elements Sales Quantity (K Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 77. Weifang Jude Electronic Co.,Ltd Recent Developments/Updates

Table 78. Global Piezoelectric Elements Sales Quantity by Manufacturer (2019-2024) & (K Units)

Table 79. Global Piezoelectric Elements Revenue by Manufacturer (2019-2024) & (USD Million)

Table 80. Global Piezoelectric Elements Average Price by Manufacturer (2019-2024) & (USD/Unit)

Table 81. Market Position of Manufacturers in Piezoelectric Elements, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 82. Head Office and Piezoelectric Elements Production Site of Key Manufacturer

Table 83. Piezoelectric Elements Market: Company Product Type Footprint

Table 84. Piezoelectric Elements Market: Company Product Application Footprint

- Table 85. Piezoelectric Elements New Market Entrants and Barriers to Market Entry
- Table 86. Piezoelectric Elements Mergers, Acquisition, Agreements, and Collaborations
- Table 87. Global Piezoelectric Elements Sales Quantity by Region (2019-2024) & (K Units)
- Table 88. Global Piezoelectric Elements Sales Quantity by Region (2025-2030) & (K Units)
- Table 89. Global Piezoelectric Elements Consumption Value by Region (2019-2024) & (USD Million)
- Table 90. Global Piezoelectric Elements Consumption Value by Region (2025-2030) & (USD Million)
- Table 91. Global Piezoelectric Elements Average Price by Region (2019-2024) & (USD/Unit)
- Table 92. Global Piezoelectric Elements Average Price by Region (2025-2030) & (USD/Unit)
- Table 93. Global Piezoelectric Elements Sales Quantity by Type (2019-2024) & (K Units)
- Table 94. Global Piezoelectric Elements Sales Quantity by Type (2025-2030) & (K Units)
- Table 95. Global Piezoelectric Elements Consumption Value by Type (2019-2024) & (USD Million)
- Table 96. Global Piezoelectric Elements Consumption Value by Type (2025-2030) & (USD Million)
- Table 97. Global Piezoelectric Elements Average Price by Type (2019-2024) & (USD/Unit)
- Table 98. Global Piezoelectric Elements Average Price by Type (2025-2030) & (USD/Unit)
- Table 99. Global Piezoelectric Elements Sales Quantity by Application (2019-2024) & (K Units)
- Table 100. Global Piezoelectric Elements Sales Quantity by Application (2025-2030) & (K Units)
- Table 101. Global Piezoelectric Elements Consumption Value by Application (2019-2024) & (USD Million)
- Table 102. Global Piezoelectric Elements Consumption Value by Application (2025-2030) & (USD Million)
- Table 103. Global Piezoelectric Elements Average Price by Application (2019-2024) & (USD/Unit)
- Table 104. Global Piezoelectric Elements Average Price by Application (2025-2030) & (USD/Unit)
- Table 105. North America Piezoelectric Elements Sales Quantity by Type (2019-2024)

& (K Units)

Table 106. North America Piezoelectric Elements Sales Quantity by Type (2025-2030)

& (K Units)

Table 107. North America Piezoelectric Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 108. North America Piezoelectric Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 109. North America Piezoelectric Elements Sales Quantity by Country (2019-2024) & (K Units)

Table 110. North America Piezoelectric Elements Sales Quantity by Country (2025-2030) & (K Units)

Table 111. North America Piezoelectric Elements Consumption Value by Country (2019-2024) & (USD Million)

Table 112. North America Piezoelectric Elements Consumption Value by Country (2025-2030) & (USD Million)

Table 113. Europe Piezoelectric Elements Sales Quantity by Type (2019-2024) & (K Units)

Table 114. Europe Piezoelectric Elements Sales Quantity by Type (2025-2030) & (K Units)

Table 115. Europe Piezoelectric Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 116. Europe Piezoelectric Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 117. Europe Piezoelectric Elements Sales Quantity by Country (2019-2024) & (K Units)

Table 118. Europe Piezoelectric Elements Sales Quantity by Country (2025-2030) & (K Units)

Table 119. Europe Piezoelectric Elements Consumption Value by Country (2019-2024) & (USD Million)

Table 120. Europe Piezoelectric Elements Consumption Value by Country (2025-2030) & (USD Million)

Table 121. Asia-Pacific Piezoelectric Elements Sales Quantity by Type (2019-2024) & (K Units)

Table 122. Asia-Pacific Piezoelectric Elements Sales Quantity by Type (2025-2030) & (K Units)

Table 123. Asia-Pacific Piezoelectric Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 124. Asia-Pacific Piezoelectric Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 125. Asia-Pacific Piezoelectric Elements Sales Quantity by Region (2019-2024) & (K Units)

Table 126. Asia-Pacific Piezoelectric Elements Sales Quantity by Region (2025-2030) & (K Units)

Table 127. Asia-Pacific Piezoelectric Elements Consumption Value by Region (2019-2024) & (USD Million)

Table 128. Asia-Pacific Piezoelectric Elements Consumption Value by Region (2025-2030) & (USD Million)

Table 129. South America Piezoelectric Elements Sales Quantity by Type (2019-2024) & (K Units)

Table 130. South America Piezoelectric Elements Sales Quantity by Type (2025-2030) & (K Units)

Table 131. South America Piezoelectric Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 132. South America Piezoelectric Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 133. South America Piezoelectric Elements Sales Quantity by Country (2019-2024) & (K Units)

Table 134. South America Piezoelectric Elements Sales Quantity by Country (2025-2030) & (K Units)

Table 135. South America Piezoelectric Elements Consumption Value by Country (2019-2024) & (USD Million)

Table 136. South America Piezoelectric Elements Consumption Value by Country (2025-2030) & (USD Million)

Table 137. Middle East & Africa Piezoelectric Elements Sales Quantity by Type (2019-2024) & (K Units)

Table 138. Middle East & Africa Piezoelectric Elements Sales Quantity by Type (2025-2030) & (K Units)

Table 139. Middle East & Africa Piezoelectric Elements Sales Quantity by Application (2019-2024) & (K Units)

Table 140. Middle East & Africa Piezoelectric Elements Sales Quantity by Application (2025-2030) & (K Units)

Table 141. Middle East & Africa Piezoelectric Elements Sales Quantity by Region (2019-2024) & (K Units)

Table 142. Middle East & Africa Piezoelectric Elements Sales Quantity by Region (2025-2030) & (K Units)

Table 143. Middle East & Africa Piezoelectric Elements Consumption Value by Region (2019-2024) & (USD Million)

Table 144. Middle East & Africa Piezoelectric Elements Consumption Value by Region

(2025-2030) & (USD Million)

Table 145. Piezoelectric Elements Raw Material

Table 146. Key Manufacturers of Piezoelectric Elements Raw Materials

Table 147. Piezoelectric Elements Typical Distributors

Table 148. Piezoelectric Elements Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Piezoelectric Elements Picture

Figure 2. Global Piezoelectric Elements Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Piezoelectric Elements Consumption Value Market Share by Type in 2023

Figure 4. PZT-based Examples

Figure 5. PMN-based Examples

Figure 6. Others Examples

Figure 7. Global Piezoelectric Elements Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 8. Global Piezoelectric Elements Consumption Value Market Share by Application in 2023

Figure 9. Industrial & Manufacturing Examples

Figure 10. Automotive Examples

Figure 11. Consumer Electronics Examples

Figure 12. Medical Examples

Figure 13. Military Examples

Figure 14. Other Examples

Figure 15. Global Piezoelectric Elements Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 16. Global Piezoelectric Elements Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 17. Global Piezoelectric Elements Sales Quantity (2019-2030) & (K Units)

Figure 18. Global Piezoelectric Elements Average Price (2019-2030) & (USD/Unit)

Figure 19. Global Piezoelectric Elements Sales Quantity Market Share by Manufacturer in 2023

Figure 20. Global Piezoelectric Elements Consumption Value Market Share by Manufacturer in 2023

Figure 21. Producer Shipments of Piezoelectric Elements by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 22. Top 3 Piezoelectric Elements Manufacturer (Consumption Value) Market Share in 2023

Figure 23. Top 6 Piezoelectric Elements Manufacturer (Consumption Value) Market Share in 2023

Figure 24. Global Piezoelectric Elements Sales Quantity Market Share by Region

(2019-2030)

Figure 25. Global Piezoelectric Elements Consumption Value Market Share by Region (2019-2030)

Figure 26. North America Piezoelectric Elements Consumption Value (2019-2030) & (USD Million)

Figure 27. Europe Piezoelectric Elements Consumption Value (2019-2030) & (USD Million)

Figure 28. Asia-Pacific Piezoelectric Elements Consumption Value (2019-2030) & (USD Million)

Figure 29. South America Piezoelectric Elements Consumption Value (2019-2030) & (USD Million)

Figure 30. Middle East & Africa Piezoelectric Elements Consumption Value (2019-2030) & (USD Million)

Figure 31. Global Piezoelectric Elements Sales Quantity Market Share by Type (2019-2030)

Figure 32. Global Piezoelectric Elements Consumption Value Market Share by Type (2019-2030)

Figure 33. Global Piezoelectric Elements Average Price by Type (2019-2030) & (USD/Unit)

Figure 34. Global Piezoelectric Elements Sales Quantity Market Share by Application (2019-2030)

Figure 35. Global Piezoelectric Elements Consumption Value Market Share by Application (2019-2030)

Figure 36. Global Piezoelectric Elements Average Price by Application (2019-2030) & (USD/Unit)

Figure 37. North America Piezoelectric Elements Sales Quantity Market Share by Type (2019-2030)

Figure 38. North America Piezoelectric Elements Sales Quantity Market Share by Application (2019-2030)

Figure 39. North America Piezoelectric Elements Sales Quantity Market Share by Country (2019-2030)

Figure 40. North America Piezoelectric Elements Consumption Value Market Share by Country (2019-2030)

Figure 41. United States Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Canada Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Mexico Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 44. Europe Piezoelectric Elements Sales Quantity Market Share by Type (2019-2030)

Figure 45. Europe Piezoelectric Elements Sales Quantity Market Share by Application (2019-2030)

Figure 46. Europe Piezoelectric Elements Sales Quantity Market Share by Country (2019-2030)

Figure 47. Europe Piezoelectric Elements Consumption Value Market Share by Country (2019-2030)

Figure 48. Germany Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. France Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. United Kingdom Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Russia Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Italy Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Asia-Pacific Piezoelectric Elements Sales Quantity Market Share by Type (2019-2030)

Figure 54. Asia-Pacific Piezoelectric Elements Sales Quantity Market Share by Application (2019-2030)

Figure 55. Asia-Pacific Piezoelectric Elements Sales Quantity Market Share by Region (2019-2030)

Figure 56. Asia-Pacific Piezoelectric Elements Consumption Value Market Share by Region (2019-2030)

Figure 57. China Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Japan Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Korea Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. India Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. Southeast Asia Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Australia Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 63. South America Piezoelectric Elements Sales Quantity Market Share by Type

(2019-2030)

Figure 64. South America Piezoelectric Elements Sales Quantity Market Share by Application (2019-2030)

Figure 65. South America Piezoelectric Elements Sales Quantity Market Share by Country (2019-2030)

Figure 66. South America Piezoelectric Elements Consumption Value Market Share by Country (2019-2030)

Figure 67. Brazil Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 68. Argentina Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Middle East & Africa Piezoelectric Elements Sales Quantity Market Share by Type (2019-2030)

Figure 70. Middle East & Africa Piezoelectric Elements Sales Quantity Market Share by Application (2019-2030)

Figure 71. Middle East & Africa Piezoelectric Elements Sales Quantity Market Share by Region (2019-2030)

Figure 72. Middle East & Africa Piezoelectric Elements Consumption Value Market Share by Region (2019-2030)

Figure 73. Turkey Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Egypt Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Saudi Arabia Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. South Africa Piezoelectric Elements Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 77. Piezoelectric Elements Market Drivers

Figure 78. Piezoelectric Elements Market Restraints

Figure 79. Piezoelectric Elements Market Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of Piezoelectric Elements in 2023

Figure 82. Manufacturing Process Analysis of Piezoelectric Elements

Figure 83. Piezoelectric Elements Industrial Chain

Figure 84. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

I would like to order

Product name: Global Piezoelectric Elements Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G7BD3EDA08D5EN.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/G7BD3EDA08D5EN.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

