

Global Amorphous Silicon Memristor Market Growth 2023-2029

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Abstracts

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Memristors have a very simple structure - usually just a thin film of titanium dioxide between two metal electrodes. Memristor is a two terminal element, and its resistance depends on the size, direction and duration of the applied voltage. The memristor will remember the memristor value at the last off voltage until the next on voltage. It can provide dynamic negative resistance. Amorphous silicon memristor is a memristor made of amorphous silicon as the main material.

LPI (LP Information)' newest research report, the "Amorphous Silicon Memristor Industry Forecast" looks at past sales and reviews total world Amorphous Silicon Memristor sales in 2022, providing a comprehensive analysis by region and market sector of projected Amorphous Silicon Memristor sales for 2023 through 2029. With Amorphous Silicon Memristor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Amorphous Silicon Memristor industry.

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

This Insight Report evaluates the key market trends, drivers, and affecting factors

shaping the global outlook for Amorphous Silicon Memristor and breaks down the forecast by type, by application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Amorphous Silicon Memristor.

The global Amorphous Silicon Memristor market size is projected to grow from US\$ million in 2022 to US\$ million in 2029; it is expected to grow at a CAGR of % from 2023 to 2029.

United States market for Amorphous Silicon Memristor is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

China market for Amorphous Silicon Memristor is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Europe market for Amorphous Silicon Memristor is estimated to increase from US\$ million in 2022 to US\$ million by 2029, at a CAGR of % from 2023 through 2029.

Global key Amorphous Silicon Memristor players cover Toshiba, Dell EMC, Panasonic, Fujitsu, Qualcomm, Samsung Electronics, Hewlett Packard Enterprise, HGST and HRL Laboratories, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2022.

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

Market Segmentation:

Segmentation by type

Solid Dielectric

Metallic Oxide

Organic Materials

Segmentation by application

Digital Memory

Logical Circuit

Biological and Neuromorphological System

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

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

Toshiba

Dell EMC

Panasonic

Fujitsu

Qualcomm

Samsung Electronics

Hewlett Packard Enterprise

HGST

HRL Laboratories

CrossBar Inc

Key Questions Addressed in this Report

What is the 10-year outlook for the global Amorphous Silicon Memristor market?

What factors are driving Amorphous Silicon Memristor market growth, globally and by region?

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

How do Amorphous Silicon Memristor market opportunities vary by end market size?

How does Amorphous Silicon Memristor break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?

Contents

1 SCOPE OF THE REPORT

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

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Amorphous Silicon Memristor Annual Sales 2018-2029
 - 2.1.2 World Current & Future Analysis for Amorphous Silicon Memristor by Geographic Region, 2018, 2022 & 2029
 - 2.1.3 World Current & Future Analysis for Amorphous Silicon Memristor by Country/Region, 2018, 2022 & 2029
- 2.2 Amorphous Silicon Memristor Segment by Type
 - 2.2.1 Solid Dielectric
 - 2.2.2 Metallic Oxide
 - 2.2.3 Organic Materials
- 2.3 Amorphous Silicon Memristor Sales by Type
 - 2.3.1 Global Amorphous Silicon Memristor Sales Market Share by Type (2018-2023)
 - 2.3.2 Global Amorphous Silicon Memristor Revenue and Market Share by Type (2018-2023)
 - 2.3.3 Global Amorphous Silicon Memristor Sale Price by Type (2018-2023)
- 2.4 Amorphous Silicon Memristor Segment by Application
 - 2.4.1 Digital Memory
 - 2.4.2 Logical Circuit
 - 2.4.3 Biological and Neuromorphological System
 - 2.4.4 Others
- 2.5 Amorphous Silicon Memristor Sales by Application
 - 2.5.1 Global Amorphous Silicon Memristor Sale Market Share by Application (2018-2023)
 - 2.5.2 Global Amorphous Silicon Memristor Revenue and Market Share by Application

(2018-2023)

2.5.3 Global Amorphous Silicon Memristor Sale Price by Application (2018-2023)

3 GLOBAL AMORPHOUS SILICON MEMRISTOR BY COMPANY

3.1 Global Amorphous Silicon Memristor Breakdown Data by Company

3.1.1 Global Amorphous Silicon Memristor Annual Sales by Company (2018-2023)

3.1.2 Global Amorphous Silicon Memristor Sales Market Share by Company

(2018-2023)

3.2 Global Amorphous Silicon Memristor Annual Revenue by Company (2018-2023)

3.2.1 Global Amorphous Silicon Memristor Revenue by Company (2018-2023)

3.2.2 Global Amorphous Silicon Memristor Revenue Market Share by Company

(2018-2023)

3.3 Global Amorphous Silicon Memristor Sale Price by Company

3.4 Key Manufacturers Amorphous Silicon Memristor Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Amorphous Silicon Memristor Product Location Distribution

3.4.2 Players Amorphous Silicon Memristor Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

3.6 New Products and Potential Entrants

3.7 Mergers & Acquisitions, Expansion

4 WORLD HISTORIC REVIEW FOR AMORPHOUS SILICON MEMRISTOR BY GEOGRAPHIC REGION

4.1 World Historic Amorphous Silicon Memristor Market Size by Geographic Region (2018-2023)

4.1.1 Global Amorphous Silicon Memristor Annual Sales by Geographic Region

(2018-2023)

4.1.2 Global Amorphous Silicon Memristor Annual Revenue by Geographic Region

(2018-2023)

4.2 World Historic Amorphous Silicon Memristor Market Size by Country/Region (2018-2023)

4.2.1 Global Amorphous Silicon Memristor Annual Sales by Country/Region

(2018-2023)

4.2.2 Global Amorphous Silicon Memristor Annual Revenue by Country/Region

(2018-2023)

- 4.3 Americas Amorphous Silicon Memristor Sales Growth
- 4.4 APAC Amorphous Silicon Memristor Sales Growth
- 4.5 Europe Amorphous Silicon Memristor Sales Growth
- 4.6 Middle East & Africa Amorphous Silicon Memristor Sales Growth

5 AMERICAS

- 5.1 Americas Amorphous Silicon Memristor Sales by Country
 - 5.1.1 Americas Amorphous Silicon Memristor Sales by Country (2018-2023)
 - 5.1.2 Americas Amorphous Silicon Memristor Revenue by Country (2018-2023)
- 5.2 Americas Amorphous Silicon Memristor Sales by Type
- 5.3 Americas Amorphous Silicon Memristor Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

6 APAC

- 6.1 APAC Amorphous Silicon Memristor Sales by Region
 - 6.1.1 APAC Amorphous Silicon Memristor Sales by Region (2018-2023)
 - 6.1.2 APAC Amorphous Silicon Memristor Revenue by Region (2018-2023)
- 6.2 APAC Amorphous Silicon Memristor Sales by Type
- 6.3 APAC Amorphous Silicon Memristor Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

7 EUROPE

- 7.1 Europe Amorphous Silicon Memristor by Country
 - 7.1.1 Europe Amorphous Silicon Memristor Sales by Country (2018-2023)
 - 7.1.2 Europe Amorphous Silicon Memristor Revenue by Country (2018-2023)
- 7.2 Europe Amorphous Silicon Memristor Sales by Type
- 7.3 Europe Amorphous Silicon Memristor Sales by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Amorphous Silicon Memristor by Country

8.1.1 Middle East & Africa Amorphous Silicon Memristor Sales by Country
(2018-2023)

8.1.2 Middle East & Africa Amorphous Silicon Memristor Revenue by Country
(2018-2023)

8.2 Middle East & Africa Amorphous Silicon Memristor Sales by Type

8.3 Middle East & Africa Amorphous Silicon Memristor Sales by Application

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

10 MANUFACTURING COST STRUCTURE ANALYSIS

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Amorphous Silicon Memristor

10.3 Manufacturing Process Analysis of Amorphous Silicon Memristor

10.4 Industry Chain Structure of Amorphous Silicon Memristor

11 MARKETING, DISTRIBUTORS AND CUSTOMER

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Amorphous Silicon Memristor Distributors

11.3 Amorphous Silicon Memristor Customer

12 WORLD FORECAST REVIEW FOR AMORPHOUS SILICON MEMRISTOR BY GEOGRAPHIC REGION

12.1 Global Amorphous Silicon Memristor Market Size Forecast by Region

12.1.1 Global Amorphous Silicon Memristor Forecast by Region (2024-2029)

12.1.2 Global Amorphous Silicon Memristor Annual Revenue Forecast by Region (2024-2029)

12.2 Americas Forecast by Country

12.3 APAC Forecast by Region

12.4 Europe Forecast by Country

12.5 Middle East & Africa Forecast by Country

12.6 Global Amorphous Silicon Memristor Forecast by Type

12.7 Global Amorphous Silicon Memristor Forecast by Application

13 KEY PLAYERS ANALYSIS

13.1 Toshiba

13.1.1 Toshiba Company Information

13.1.2 Toshiba Amorphous Silicon Memristor Product Portfolios and Specifications

13.1.3 Toshiba Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)

13.1.4 Toshiba Main Business Overview

13.1.5 Toshiba Latest Developments

13.2 Dell EMC

13.2.1 Dell EMC Company Information

13.2.2 Dell EMC Amorphous Silicon Memristor Product Portfolios and Specifications

13.2.3 Dell EMC Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)

13.2.4 Dell EMC Main Business Overview

13.2.5 Dell EMC Latest Developments

13.3 Panasonic

13.3.1 Panasonic Company Information

13.3.2 Panasonic Amorphous Silicon Memristor Product Portfolios and Specifications

13.3.3 Panasonic Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)

13.3.4 Panasonic Main Business Overview

- 13.3.5 Panasonic Latest Developments
- 13.4 Fujitsu
 - 13.4.1 Fujitsu Company Information
 - 13.4.2 Fujitsu Amorphous Silicon Memristor Product Portfolios and Specifications
 - 13.4.3 Fujitsu Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.4.4 Fujitsu Main Business Overview
 - 13.4.5 Fujitsu Latest Developments
- 13.5 Qualcomm
 - 13.5.1 Qualcomm Company Information
 - 13.5.2 Qualcomm Amorphous Silicon Memristor Product Portfolios and Specifications
 - 13.5.3 Qualcomm Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.5.4 Qualcomm Main Business Overview
 - 13.5.5 Qualcomm Latest Developments
- 13.6 Samsung Electronics
 - 13.6.1 Samsung Electronics Company Information
 - 13.6.2 Samsung Electronics Amorphous Silicon Memristor Product Portfolios and Specifications
 - 13.6.3 Samsung Electronics Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.6.4 Samsung Electronics Main Business Overview
 - 13.6.5 Samsung Electronics Latest Developments
- 13.7 Hewlett Packard Enterprise
 - 13.7.1 Hewlett Packard Enterprise Company Information
 - 13.7.2 Hewlett Packard Enterprise Amorphous Silicon Memristor Product Portfolios and Specifications
 - 13.7.3 Hewlett Packard Enterprise Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.7.4 Hewlett Packard Enterprise Main Business Overview
 - 13.7.5 Hewlett Packard Enterprise Latest Developments
- 13.8 HGST
 - 13.8.1 HGST Company Information
 - 13.8.2 HGST Amorphous Silicon Memristor Product Portfolios and Specifications
 - 13.8.3 HGST Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)
 - 13.8.4 HGST Main Business Overview
 - 13.8.5 HGST Latest Developments
- 13.9 HRL Laboratories

13.9.1 HRL Laboratories Company Information

13.9.2 HRL Laboratories Amorphous Silicon Memristor Product Portfolios and Specifications

13.9.3 HRL Laboratories Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)

13.9.4 HRL Laboratories Main Business Overview

13.9.5 HRL Laboratories Latest Developments

13.10 CrossBar Inc

13.10.1 CrossBar Inc Company Information

13.10.2 CrossBar Inc Amorphous Silicon Memristor Product Portfolios and Specifications

13.10.3 CrossBar Inc Amorphous Silicon Memristor Sales, Revenue, Price and Gross Margin (2018-2023)

13.10.4 CrossBar Inc Main Business Overview

13.10.5 CrossBar Inc Latest Developments

14 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES

Table 1. Amorphous Silicon Memristor Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)

Table 2. Amorphous Silicon Memristor Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)

Table 3. Major Players of Solid Dielectric

Table 4. Major Players of Metallic Oxide

Table 5. Major Players of Organic Materials

Table 6. Global Amorphous Silicon Memristor Sales by Type (2018-2023) & (K Units)

Table 7. Global Amorphous Silicon Memristor Sales Market Share by Type (2018-2023)

Table 8. Global Amorphous Silicon Memristor Revenue by Type (2018-2023) & (\$ million)

Table 9. Global Amorphous Silicon Memristor Revenue Market Share by Type (2018-2023)

Table 10. Global Amorphous Silicon Memristor Sale Price by Type (2018-2023) & (US\$/Unit)

Table 11. Global Amorphous Silicon Memristor Sales by Application (2018-2023) & (K Units)

Table 12. Global Amorphous Silicon Memristor Sales Market Share by Application (2018-2023)

Table 13. Global Amorphous Silicon Memristor Revenue by Application (2018-2023)

Table 14. Global Amorphous Silicon Memristor Revenue Market Share by Application (2018-2023)

Table 15. Global Amorphous Silicon Memristor Sale Price by Application (2018-2023) & (US\$/Unit)

Table 16. Global Amorphous Silicon Memristor Sales by Company (2018-2023) & (K Units)

Table 17. Global Amorphous Silicon Memristor Sales Market Share by Company (2018-2023)

Table 18. Global Amorphous Silicon Memristor Revenue by Company (2018-2023) (\$ Millions)

Table 19. Global Amorphous Silicon Memristor Revenue Market Share by Company (2018-2023)

Table 20. Global Amorphous Silicon Memristor Sale Price by Company (2018-2023) & (US\$/Unit)

Table 21. Key Manufacturers Amorphous Silicon Memristor Producing Area Distribution

and Sales Area

Table 22. Players Amorphous Silicon Memristor Products Offered

Table 23. Amorphous Silicon Memristor Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)

Table 24. New Products and Potential Entrants

Table 25. Mergers & Acquisitions, Expansion

Table 26. Global Amorphous Silicon Memristor Sales by Geographic Region (2018-2023) & (K Units)

Table 27. Global Amorphous Silicon Memristor Sales Market Share Geographic Region (2018-2023)

Table 28. Global Amorphous Silicon Memristor Revenue by Geographic Region (2018-2023) & (\$ millions)

Table 29. Global Amorphous Silicon Memristor Revenue Market Share by Geographic Region (2018-2023)

Table 30. Global Amorphous Silicon Memristor Sales by Country/Region (2018-2023) & (K Units)

Table 31. Global Amorphous Silicon Memristor Sales Market Share by Country/Region (2018-2023)

Table 32. Global Amorphous Silicon Memristor Revenue by Country/Region (2018-2023) & (\$ millions)

Table 33. Global Amorphous Silicon Memristor Revenue Market Share by Country/Region (2018-2023)

Table 34. Americas Amorphous Silicon Memristor Sales by Country (2018-2023) & (K Units)

Table 35. Americas Amorphous Silicon Memristor Sales Market Share by Country (2018-2023)

Table 36. Americas Amorphous Silicon Memristor Revenue by Country (2018-2023) & (\$ Millions)

Table 37. Americas Amorphous Silicon Memristor Revenue Market Share by Country (2018-2023)

Table 38. Americas Amorphous Silicon Memristor Sales by Type (2018-2023) & (K Units)

Table 39. Americas Amorphous Silicon Memristor Sales by Application (2018-2023) & (K Units)

Table 40. APAC Amorphous Silicon Memristor Sales by Region (2018-2023) & (K Units)

Table 41. APAC Amorphous Silicon Memristor Sales Market Share by Region (2018-2023)

Table 42. APAC Amorphous Silicon Memristor Revenue by Region (2018-2023) & (\$ Millions)

Table 43. APAC Amorphous Silicon Memristor Revenue Market Share by Region (2018-2023)

Table 44. APAC Amorphous Silicon Memristor Sales by Type (2018-2023) & (K Units)

Table 45. APAC Amorphous Silicon Memristor Sales by Application (2018-2023) & (K Units)

Table 46. Europe Amorphous Silicon Memristor Sales by Country (2018-2023) & (K Units)

Table 47. Europe Amorphous Silicon Memristor Sales Market Share by Country (2018-2023)

Table 48. Europe Amorphous Silicon Memristor Revenue by Country (2018-2023) & (\$ Millions)

Table 49. Europe Amorphous Silicon Memristor Revenue Market Share by Country (2018-2023)

Table 50. Europe Amorphous Silicon Memristor Sales by Type (2018-2023) & (K Units)

Table 51. Europe Amorphous Silicon Memristor Sales by Application (2018-2023) & (K Units)

Table 52. Middle East & Africa Amorphous Silicon Memristor Sales by Country (2018-2023) & (K Units)

Table 53. Middle East & Africa Amorphous Silicon Memristor Sales Market Share by Country (2018-2023)

Table 54. Middle East & Africa Amorphous Silicon Memristor Revenue by Country (2018-2023) & (\$ Millions)

Table 55. Middle East & Africa Amorphous Silicon Memristor Revenue Market Share by Country (2018-2023)

Table 56. Middle East & Africa Amorphous Silicon Memristor Sales by Type (2018-2023) & (K Units)

Table 57. Middle East & Africa Amorphous Silicon Memristor Sales by Application (2018-2023) & (K Units)

Table 58. Key Market Drivers & Growth Opportunities of Amorphous Silicon Memristor

Table 59. Key Market Challenges & Risks of Amorphous Silicon Memristor

Table 60. Key Industry Trends of Amorphous Silicon Memristor

Table 61. Amorphous Silicon Memristor Raw Material

Table 62. Key Suppliers of Raw Materials

Table 63. Amorphous Silicon Memristor Distributors List

Table 64. Amorphous Silicon Memristor Customer List

Table 65. Global Amorphous Silicon Memristor Sales Forecast by Region (2024-2029) & (K Units)

Table 66. Global Amorphous Silicon Memristor Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 67. Americas Amorphous Silicon Memristor Sales Forecast by Country (2024-2029) & (K Units)

Table 68. Americas Amorphous Silicon Memristor Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 69. APAC Amorphous Silicon Memristor Sales Forecast by Region (2024-2029) & (K Units)

Table 70. APAC Amorphous Silicon Memristor Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 71. Europe Amorphous Silicon Memristor Sales Forecast by Country (2024-2029) & (K Units)

Table 72. Europe Amorphous Silicon Memristor Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 73. Middle East & Africa Amorphous Silicon Memristor Sales Forecast by Country (2024-2029) & (K Units)

Table 74. Middle East & Africa Amorphous Silicon Memristor Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 75. Global Amorphous Silicon Memristor Sales Forecast by Type (2024-2029) & (K Units)

Table 76. Global Amorphous Silicon Memristor Revenue Forecast by Type (2024-2029) & (\$ Millions)

Table 77. Global Amorphous Silicon Memristor Sales Forecast by Application (2024-2029) & (K Units)

Table 78. Global Amorphous Silicon Memristor Revenue Forecast by Application (2024-2029) & (\$ Millions)

Table 79. Toshiba Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 80. Toshiba Amorphous Silicon Memristor Product Portfolios and Specifications

Table 81. Toshiba Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 82. Toshiba Main Business

Table 83. Toshiba Latest Developments

Table 84. Dell EMC Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 85. Dell EMC Amorphous Silicon Memristor Product Portfolios and Specifications

Table 86. Dell EMC Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 87. Dell EMC Main Business

Table 88. Dell EMC Latest Developments

Table 89. Panasonic Basic Information, Amorphous Silicon Memristor Manufacturing

Base, Sales Area and Its Competitors

Table 90. Panasonic Amorphous Silicon Memristor Product Portfolios and Specifications

Table 91. Panasonic Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 92. Panasonic Main Business

Table 93. Panasonic Latest Developments

Table 94. Fujitsu Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 95. Fujitsu Amorphous Silicon Memristor Product Portfolios and Specifications

Table 96. Fujitsu Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 97. Fujitsu Main Business

Table 98. Fujitsu Latest Developments

Table 99. Qualcomm Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 100. Qualcomm Amorphous Silicon Memristor Product Portfolios and Specifications

Table 101. Qualcomm Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 102. Qualcomm Main Business

Table 103. Qualcomm Latest Developments

Table 104. Samsung Electronics Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 105. Samsung Electronics Amorphous Silicon Memristor Product Portfolios and Specifications

Table 106. Samsung Electronics Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 107. Samsung Electronics Main Business

Table 108. Samsung Electronics Latest Developments

Table 109. Hewlett Packard Enterprise Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 110. Hewlett Packard Enterprise Amorphous Silicon Memristor Product Portfolios and Specifications

Table 111. Hewlett Packard Enterprise Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 112. Hewlett Packard Enterprise Main Business

Table 113. Hewlett Packard Enterprise Latest Developments

Table 114. HGST Basic Information, Amorphous Silicon Memristor Manufacturing Base,

Sales Area and Its Competitors

Table 115. HGST Amorphous Silicon Memristor Product Portfolios and Specifications

Table 116. HGST Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 117. HGST Main Business

Table 118. HGST Latest Developments

Table 119. HRL Laboratories Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 120. HRL Laboratories Amorphous Silicon Memristor Product Portfolios and Specifications

Table 121. HRL Laboratories Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 122. HRL Laboratories Main Business

Table 123. HRL Laboratories Latest Developments

Table 124. CrossBar Inc Basic Information, Amorphous Silicon Memristor Manufacturing Base, Sales Area and Its Competitors

Table 125. CrossBar Inc Amorphous Silicon Memristor Product Portfolios and Specifications

Table 126. CrossBar Inc Amorphous Silicon Memristor Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2018-2023)

Table 127. CrossBar Inc Main Business

Table 128. CrossBar Inc Latest Developments

List Of Figures

LIST OF FIGURES

- Figure 1. Picture of Amorphous Silicon Memristor
- Figure 2. Amorphous Silicon Memristor Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Amorphous Silicon Memristor Sales Growth Rate 2018-2029 (K Units)
- Figure 7. Global Amorphous Silicon Memristor Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Amorphous Silicon Memristor Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Solid Dielectric
- Figure 10. Product Picture of Metallic Oxide
- Figure 11. Product Picture of Organic Materials
- Figure 12. Global Amorphous Silicon Memristor Sales Market Share by Type in 2022
- Figure 13. Global Amorphous Silicon Memristor Revenue Market Share by Type (2018-2023)
- Figure 14. Amorphous Silicon Memristor Consumed in Digital Memory
- Figure 15. Global Amorphous Silicon Memristor Market: Digital Memory (2018-2023) & (K Units)
- Figure 16. Amorphous Silicon Memristor Consumed in Logical Circuit
- Figure 17. Global Amorphous Silicon Memristor Market: Logical Circuit (2018-2023) & (K Units)
- Figure 18. Amorphous Silicon Memristor Consumed in Biological and Neuromorphological System
- Figure 19. Global Amorphous Silicon Memristor Market: Biological and Neuromorphological System (2018-2023) & (K Units)
- Figure 20. Amorphous Silicon Memristor Consumed in Others
- Figure 21. Global Amorphous Silicon Memristor Market: Others (2018-2023) & (K Units)
- Figure 22. Global Amorphous Silicon Memristor Sales Market Share by Application (2022)
- Figure 23. Global Amorphous Silicon Memristor Revenue Market Share by Application in 2022
- Figure 24. Amorphous Silicon Memristor Sales Market by Company in 2022 (K Units)
- Figure 25. Global Amorphous Silicon Memristor Sales Market Share by Company in 2022

Figure 26. Amorphous Silicon Memristor Revenue Market by Company in 2022 (\$ Million)

Figure 27. Global Amorphous Silicon Memristor Revenue Market Share by Company in 2022

Figure 28. Global Amorphous Silicon Memristor Sales Market Share by Geographic Region (2018-2023)

Figure 29. Global Amorphous Silicon Memristor Revenue Market Share by Geographic Region in 2022

Figure 30. Americas Amorphous Silicon Memristor Sales 2018-2023 (K Units)

Figure 31. Americas Amorphous Silicon Memristor Revenue 2018-2023 (\$ Millions)

Figure 32. APAC Amorphous Silicon Memristor Sales 2018-2023 (K Units)

Figure 33. APAC Amorphous Silicon Memristor Revenue 2018-2023 (\$ Millions)

Figure 34. Europe Amorphous Silicon Memristor Sales 2018-2023 (K Units)

Figure 35. Europe Amorphous Silicon Memristor Revenue 2018-2023 (\$ Millions)

Figure 36. Middle East & Africa Amorphous Silicon Memristor Sales 2018-2023 (K Units)

Figure 37. Middle East & Africa Amorphous Silicon Memristor Revenue 2018-2023 (\$ Millions)

Figure 38. Americas Amorphous Silicon Memristor Sales Market Share by Country in 2022

Figure 39. Americas Amorphous Silicon Memristor Revenue Market Share by Country in 2022

Figure 40. Americas Amorphous Silicon Memristor Sales Market Share by Type (2018-2023)

Figure 41. Americas Amorphous Silicon Memristor Sales Market Share by Application (2018-2023)

Figure 42. United States Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 43. Canada Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 44. Mexico Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 45. Brazil Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 46. APAC Amorphous Silicon Memristor Sales Market Share by Region in 2022

Figure 47. APAC Amorphous Silicon Memristor Revenue Market Share by Regions in 2022

Figure 48. APAC Amorphous Silicon Memristor Sales Market Share by Type (2018-2023)

Figure 49. APAC Amorphous Silicon Memristor Sales Market Share by Application

(2018-2023)

Figure 50. China Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 51. Japan Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 52. South Korea Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 53. Southeast Asia Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 54. India Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 55. Australia Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 56. China Taiwan Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 57. Europe Amorphous Silicon Memristor Sales Market Share by Country in 2022

Figure 58. Europe Amorphous Silicon Memristor Revenue Market Share by Country in 2022

Figure 59. Europe Amorphous Silicon Memristor Sales Market Share by Type (2018-2023)

Figure 60. Europe Amorphous Silicon Memristor Sales Market Share by Application (2018-2023)

Figure 61. Germany Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 62. France Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 63. UK Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 64. Italy Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 65. Russia Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 66. Middle East & Africa Amorphous Silicon Memristor Sales Market Share by Country in 2022

Figure 67. Middle East & Africa Amorphous Silicon Memristor Revenue Market Share by Country in 2022

Figure 68. Middle East & Africa Amorphous Silicon Memristor Sales Market Share by Type (2018-2023)

Figure 69. Middle East & Africa Amorphous Silicon Memristor Sales Market Share by Application (2018-2023)

Figure 70. Egypt Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 71. South Africa Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 72. Israel Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 73. Turkey Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 74. GCC Country Amorphous Silicon Memristor Revenue Growth 2018-2023 (\$ Millions)

Figure 75. Manufacturing Cost Structure Analysis of Amorphous Silicon Memristor in 2022

Figure 76. Manufacturing Process Analysis of Amorphous Silicon Memristor

Figure 77. Industry Chain Structure of Amorphous Silicon Memristor

Figure 78. Channels of Distribution

Figure 79. Global Amorphous Silicon Memristor Sales Market Forecast by Region (2024-2029)

Figure 80. Global Amorphous Silicon Memristor Revenue Market Share Forecast by Region (2024-2029)

Figure 81. Global Amorphous Silicon Memristor Sales Market Share Forecast by Type (2024-2029)

Figure 82. Global Amorphous Silicon Memristor Revenue Market Share Forecast by Type (2024-2029)

Figure 83. Global Amorphous Silicon Memristor Sales Market Share Forecast by Application (2024-2029)

Figure 84. Global Amorphous Silicon Memristor Revenue Market Share Forecast by Application (2024-2029)

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