

Global Graphene and 2-D Materials Market Research Report 2024, Forecast to 2032

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Abstracts

Report Overview

Graphene is a sheet of carbon atoms bound together with double electron bonds (called sp² bonds) in a thin film only one atom thick. The atoms in graphene are arranged in a honeycomb-style lattice pattern. Graphene is the basic structural element of several forms of carbon, including graphite, carbon nanotubes, and fullerenes. Graphene is one million times thinner than paper, nearly transparent, and believed to be the strongest material in the world.

The global Graphene and 2-D Materials market size was estimated at USD 10 million in 2023 and is projected to reach USD 108.27 million by 2032, exhibiting a CAGR of 30.30% during the forecast period.

North America Graphene and 2-D Materials market size was estimated at USD 4.13 million in 2023, at a CAGR of 25.97% during the forecast period of 2024 through 2032.

This report provides a deep insight into the global Graphene and 2-D Materials market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Graphene and 2-D Materials Market, this report introduces in detail the market

share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Graphene and 2-D Materials market in any manner.

Global Graphene and 2-D Materials Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

XG Science

Angstrom Materials

Vorbeck Materials

Applied Graphene Materials

NanoXplore

Huagao

Cambridge Nanosystems

Grafen

Sixth Element

Knano

Morsh

Market Segmentation (by Type)

1 to 20 Nanometers

1 to 50 Microns

Market Segmentation (by Application)

Ink & Coatings

Composite Materials

Electronic Materials

Research Institute

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Graphene and 2-D Materials Market

Overview of the regional outlook of the Graphene and 2-D Materials Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business

expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Graphene and 2-D Materials Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region from the consumer side and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Graphene and 2-D Materials, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region during the forecast period.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment during the forecast period.

Chapter 13 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Graphene and 2-D Materials
- 1.2 Key Market Segments
 - 1.2.1 Graphene and 2-D Materials Segment by Type
 - 1.2.2 Graphene and 2-D Materials Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 GRAPHENE AND 2-D MATERIALS MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Graphene and 2-D Materials Market Size (M USD) Estimates and Forecasts (2019-2032)
 - 2.1.2 Global Graphene and 2-D Materials Sales Estimates and Forecasts (2019-2032)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 GRAPHENE AND 2-D MATERIALS MARKET COMPETITIVE LANDSCAPE

- 3.1 Global Graphene and 2-D Materials Sales by Manufacturers (2019-2024)
- 3.2 Global Graphene and 2-D Materials Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Graphene and 2-D Materials Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Graphene and 2-D Materials Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Graphene and 2-D Materials Sales Sites, Area Served, Product Type
- 3.6 Graphene and 2-D Materials Market Competitive Situation and Trends
 - 3.6.1 Graphene and 2-D Materials Market Concentration Rate
 - 3.6.2 Global 5 and 10 Largest Graphene and 2-D Materials Players Market Share by Revenue
 - 3.6.3 Mergers & Acquisitions, Expansion

4 GRAPHENE AND 2-D MATERIALS INDUSTRY CHAIN ANALYSIS

- 4.1 Graphene and 2-D Materials Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF GRAPHENE AND 2-D MATERIALS MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Market Restraints
- 5.5 Industry News
 - 5.5.1 New Product Developments
 - 5.5.2 Mergers & Acquisitions
 - 5.5.3 Expansions
 - 5.5.4 Collaboration/Supply Contracts
- 5.6 Industry Policies

6 GRAPHENE AND 2-D MATERIALS MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Graphene and 2-D Materials Sales Market Share by Type (2019-2024)
- 6.3 Global Graphene and 2-D Materials Market Size Market Share by Type (2019-2024)
- 6.4 Global Graphene and 2-D Materials Price by Type (2019-2024)

7 GRAPHENE AND 2-D MATERIALS MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Graphene and 2-D Materials Market Sales by Application (2019-2024)
- 7.3 Global Graphene and 2-D Materials Market Size (M USD) by Application (2019-2024)
- 7.4 Global Graphene and 2-D Materials Sales Growth Rate by Application (2019-2024)

8 GRAPHENE AND 2-D MATERIALS MARKET CONSUMPTION BY REGION

- 8.1 Global Graphene and 2-D Materials Sales by Region

- 8.1.1 Global Graphene and 2-D Materials Sales by Region
- 8.1.2 Global Graphene and 2-D Materials Sales Market Share by Region
- 8.2 North America
 - 8.2.1 North America Graphene and 2-D Materials Sales by Country
 - 8.2.2 U.S.
 - 8.2.3 Canada
 - 8.2.4 Mexico
- 8.3 Europe
 - 8.3.1 Europe Graphene and 2-D Materials Sales by Country
 - 8.3.2 Germany
 - 8.3.3 France
 - 8.3.4 U.K.
 - 8.3.5 Italy
 - 8.3.6 Russia
- 8.4 Asia Pacific
 - 8.4.1 Asia Pacific Graphene and 2-D Materials Sales by Region
 - 8.4.2 China
 - 8.4.3 Japan
 - 8.4.4 South Korea
 - 8.4.5 India
 - 8.4.6 Southeast Asia
- 8.5 South America
 - 8.5.1 South America Graphene and 2-D Materials Sales by Country
 - 8.5.2 Brazil
 - 8.5.3 Argentina
 - 8.5.4 Columbia
- 8.6 Middle East and Africa
 - 8.6.1 Middle East and Africa Graphene and 2-D Materials Sales by Region
 - 8.6.2 Saudi Arabia
 - 8.6.3 UAE
 - 8.6.4 Egypt
 - 8.6.5 Nigeria
 - 8.6.6 South Africa

9 GRAPHENE AND 2-D MATERIALS MARKET PRODUCTION BY REGION

- 9.1 Global Production of Graphene and 2-D Materials by Region (2019-2024)
- 9.2 Global Graphene and 2-D Materials Revenue Market Share by Region (2019-2024)
- 9.3 Global Graphene and 2-D Materials Production, Revenue, Price and Gross Margin

(2019-2024)

9.4 North America Graphene and 2-D Materials Production

9.4.1 North America Graphene and 2-D Materials Production Growth Rate

(2019-2024)

9.4.2 North America Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2019-2024)

9.5 Europe Graphene and 2-D Materials Production

9.5.1 Europe Graphene and 2-D Materials Production Growth Rate (2019-2024)

9.5.2 Europe Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2019-2024)

9.6 Japan Graphene and 2-D Materials Production (2019-2024)

9.6.1 Japan Graphene and 2-D Materials Production Growth Rate (2019-2024)

9.6.2 Japan Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2019-2024)

9.7 China Graphene and 2-D Materials Production (2019-2024)

9.7.1 China Graphene and 2-D Materials Production Growth Rate (2019-2024)

9.7.2 China Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

10.1 XG Science

10.1.1 XG Science Graphene and 2-D Materials Basic Information

10.1.2 XG Science Graphene and 2-D Materials Product Overview

10.1.3 XG Science Graphene and 2-D Materials Product Market Performance

10.1.4 XG Science Business Overview

10.1.5 XG Science Graphene and 2-D Materials SWOT Analysis

10.1.6 XG Science Recent Developments

10.2 Angstrom Materials

10.2.1 Angstrom Materials Graphene and 2-D Materials Basic Information

10.2.2 Angstrom Materials Graphene and 2-D Materials Product Overview

10.2.3 Angstrom Materials Graphene and 2-D Materials Product Market Performance

10.2.4 Angstrom Materials Business Overview

10.2.5 Angstrom Materials Graphene and 2-D Materials SWOT Analysis

10.2.6 Angstrom Materials Recent Developments

10.3 Vorbeck Materials

10.3.1 Vorbeck Materials Graphene and 2-D Materials Basic Information

10.3.2 Vorbeck Materials Graphene and 2-D Materials Product Overview

10.3.3 Vorbeck Materials Graphene and 2-D Materials Product Market Performance

- 10.3.4 Vorbeck Materials Graphene and 2-D Materials SWOT Analysis
- 10.3.5 Vorbeck Materials Business Overview
- 10.3.6 Vorbeck Materials Recent Developments
- 10.4 Applied Graphene Materials
 - 10.4.1 Applied Graphene Materials Graphene and 2-D Materials Basic Information
 - 10.4.2 Applied Graphene Materials Graphene and 2-D Materials Product Overview
 - 10.4.3 Applied Graphene Materials Graphene and 2-D Materials Product Market Performance
 - 10.4.4 Applied Graphene Materials Business Overview
 - 10.4.5 Applied Graphene Materials Recent Developments
- 10.5 NanoXplore
 - 10.5.1 NanoXplore Graphene and 2-D Materials Basic Information
 - 10.5.2 NanoXplore Graphene and 2-D Materials Product Overview
 - 10.5.3 NanoXplore Graphene and 2-D Materials Product Market Performance
 - 10.5.4 NanoXplore Business Overview
 - 10.5.5 NanoXplore Recent Developments
- 10.6 Huagao
 - 10.6.1 Huagao Graphene and 2-D Materials Basic Information
 - 10.6.2 Huagao Graphene and 2-D Materials Product Overview
 - 10.6.3 Huagao Graphene and 2-D Materials Product Market Performance
 - 10.6.4 Huagao Business Overview
 - 10.6.5 Huagao Recent Developments
- 10.7 Cambridge Nanosystems
 - 10.7.1 Cambridge Nanosystems Graphene and 2-D Materials Basic Information
 - 10.7.2 Cambridge Nanosystems Graphene and 2-D Materials Product Overview
 - 10.7.3 Cambridge Nanosystems Graphene and 2-D Materials Product Market Performance
 - 10.7.4 Cambridge Nanosystems Business Overview
 - 10.7.5 Cambridge Nanosystems Recent Developments
- 10.8 Grafen
 - 10.8.1 Grafen Graphene and 2-D Materials Basic Information
 - 10.8.2 Grafen Graphene and 2-D Materials Product Overview
 - 10.8.3 Grafen Graphene and 2-D Materials Product Market Performance
 - 10.8.4 Grafen Business Overview
 - 10.8.5 Grafen Recent Developments
- 10.9 Sixth Element
 - 10.9.1 Sixth Element Graphene and 2-D Materials Basic Information
 - 10.9.2 Sixth Element Graphene and 2-D Materials Product Overview
 - 10.9.3 Sixth Element Graphene and 2-D Materials Product Market Performance

- 10.9.4 Sixth Element Business Overview
- 10.9.5 Sixth Element Recent Developments
- 10.10 Knano
 - 10.10.1 Knano Graphene and 2-D Materials Basic Information
 - 10.10.2 Knano Graphene and 2-D Materials Product Overview
 - 10.10.3 Knano Graphene and 2-D Materials Product Market Performance
 - 10.10.4 Knano Business Overview
 - 10.10.5 Knano Recent Developments
- 10.11 Morsh
 - 10.11.1 Morsh Graphene and 2-D Materials Basic Information
 - 10.11.2 Morsh Graphene and 2-D Materials Product Overview
 - 10.11.3 Morsh Graphene and 2-D Materials Product Market Performance
 - 10.11.4 Morsh Business Overview
 - 10.11.5 Morsh Recent Developments

11 GRAPHENE AND 2-D MATERIALS MARKET FORECAST BY REGION

- 11.1 Global Graphene and 2-D Materials Market Size Forecast
- 11.2 Global Graphene and 2-D Materials Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Graphene and 2-D Materials Market Size Forecast by Country
 - 11.2.3 Asia Pacific Graphene and 2-D Materials Market Size Forecast by Region
 - 11.2.4 South America Graphene and 2-D Materials Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Consumption of Graphene and 2-D Materials by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

- 12.1 Global Graphene and 2-D Materials Market Forecast by Type (2025-2032)
 - 12.1.1 Global Forecasted Sales of Graphene and 2-D Materials by Type (2025-2032)
 - 12.1.2 Global Graphene and 2-D Materials Market Size Forecast by Type (2025-2032)
 - 12.1.3 Global Forecasted Price of Graphene and 2-D Materials by Type (2025-2032)
- 12.2 Global Graphene and 2-D Materials Market Forecast by Application (2025-2032)
 - 12.2.1 Global Graphene and 2-D Materials Sales (K MT) Forecast by Application
 - 12.2.2 Global Graphene and 2-D Materials Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Graphene and 2-D Materials Market Size Comparison by Region (M USD)
- Table 5. Global Graphene and 2-D Materials Sales (K MT) by Manufacturers (2019-2024)
- Table 6. Global Graphene and 2-D Materials Sales Market Share by Manufacturers (2019-2024)
- Table 7. Global Graphene and 2-D Materials Revenue (M USD) by Manufacturers (2019-2024)
- Table 8. Global Graphene and 2-D Materials Revenue Share by Manufacturers (2019-2024)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Graphene and 2-D Materials as of 2022)
- Table 10. Global Market Graphene and 2-D Materials Average Price (USD/MT) of Key Manufacturers (2019-2024)
- Table 11. Manufacturers Graphene and 2-D Materials Sales Sites and Area Served
- Table 12. Manufacturers Graphene and 2-D Materials Product Type
- Table 13. Global Graphene and 2-D Materials Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Industry Chain Map of Graphene and 2-D Materials
- Table 16. Market Overview of Key Raw Materials
- Table 17. Midstream Market Analysis
- Table 18. Downstream Customer Analysis
- Table 19. Key Development Trends
- Table 20. Driving Factors
- Table 21. Graphene and 2-D Materials Market Challenges
- Table 22. Global Graphene and 2-D Materials Sales by Type (K MT)
- Table 23. Global Graphene and 2-D Materials Market Size by Type (M USD)
- Table 24. Global Graphene and 2-D Materials Sales (K MT) by Type (2019-2024)
- Table 25. Global Graphene and 2-D Materials Sales Market Share by Type (2019-2024)
- Table 26. Global Graphene and 2-D Materials Market Size (M USD) by Type (2019-2024)
- Table 27. Global Graphene and 2-D Materials Market Size Share by Type (2019-2024)

Table 28. Global Graphene and 2-D Materials Price (USD/MT) by Type (2019-2024)

Table 29. Global Graphene and 2-D Materials Sales (K MT) by Application

Table 30. Global Graphene and 2-D Materials Market Size by Application

Table 31. Global Graphene and 2-D Materials Sales by Application (2019-2024) & (K MT)

Table 32. Global Graphene and 2-D Materials Sales Market Share by Application (2019-2024)

Table 33. Global Graphene and 2-D Materials Sales by Application (2019-2024) & (M USD)

Table 34. Global Graphene and 2-D Materials Market Share by Application (2019-2024)

Table 35. Global Graphene and 2-D Materials Sales Growth Rate by Application (2019-2024)

Table 36. Global Graphene and 2-D Materials Sales by Region (2019-2024) & (K MT)

Table 37. Global Graphene and 2-D Materials Sales Market Share by Region (2019-2024)

Table 38. North America Graphene and 2-D Materials Sales by Country (2019-2024) & (K MT)

Table 39. Europe Graphene and 2-D Materials Sales by Country (2019-2024) & (K MT)

Table 40. Asia Pacific Graphene and 2-D Materials Sales by Region (2019-2024) & (K MT)

Table 41. South America Graphene and 2-D Materials Sales by Country (2019-2024) & (K MT)

Table 42. Middle East and Africa Graphene and 2-D Materials Sales by Region (2019-2024) & (K MT)

Table 43. Global Graphene and 2-D Materials Production (K MT) by Region (2019-2024)

Table 44. Global Graphene and 2-D Materials Revenue (US\$ Million) by Region (2019-2024)

Table 45. Global Graphene and 2-D Materials Revenue Market Share by Region (2019-2024)

Table 46. Global Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 47. North America Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 48. Europe Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 49. Japan Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 50. China Graphene and 2-D Materials Production (K MT), Revenue (US\$

Million), Price (USD/MT) and Gross Margin (2019-2024)

Table 51. XG Science Graphene and 2-D Materials Basic Information

Table 52. XG Science Graphene and 2-D Materials Product Overview

Table 53. XG Science Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 54. XG Science Business Overview

Table 55. XG Science Graphene and 2-D Materials SWOT Analysis

Table 56. XG Science Recent Developments

Table 57. Angstrom Materials Graphene and 2-D Materials Basic Information

Table 58. Angstrom Materials Graphene and 2-D Materials Product Overview

Table 59. Angstrom Materials Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 60. Angstrom Materials Business Overview

Table 61. Angstrom Materials Graphene and 2-D Materials SWOT Analysis

Table 62. Angstrom Materials Recent Developments

Table 63. Vorbeck Materials Graphene and 2-D Materials Basic Information

Table 64. Vorbeck Materials Graphene and 2-D Materials Product Overview

Table 65. Vorbeck Materials Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 66. Vorbeck Materials Graphene and 2-D Materials SWOT Analysis

Table 67. Vorbeck Materials Business Overview

Table 68. Vorbeck Materials Recent Developments

Table 69. Applied Graphene Materials Graphene and 2-D Materials Basic Information

Table 70. Applied Graphene Materials Graphene and 2-D Materials Product Overview

Table 71. Applied Graphene Materials Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 72. Applied Graphene Materials Business Overview

Table 73. Applied Graphene Materials Recent Developments

Table 74. NanoXplore Graphene and 2-D Materials Basic Information

Table 75. NanoXplore Graphene and 2-D Materials Product Overview

Table 76. NanoXplore Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 77. NanoXplore Business Overview

Table 78. NanoXplore Recent Developments

Table 79. Huagao Graphene and 2-D Materials Basic Information

Table 80. Huagao Graphene and 2-D Materials Product Overview

Table 81. Huagao Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 82. Huagao Business Overview

Table 83. Huagao Recent Developments

Table 84. Cambridge Nanosystems Graphene and 2-D Materials Basic Information

Table 85. Cambridge Nanosystems Graphene and 2-D Materials Product Overview

Table 86. Cambridge Nanosystems Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 87. Cambridge Nanosystems Business Overview

Table 88. Cambridge Nanosystems Recent Developments

Table 89. Grafen Graphene and 2-D Materials Basic Information

Table 90. Grafen Graphene and 2-D Materials Product Overview

Table 91. Grafen Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 92. Grafen Business Overview

Table 93. Grafen Recent Developments

Table 94. Sixth Element Graphene and 2-D Materials Basic Information

Table 95. Sixth Element Graphene and 2-D Materials Product Overview

Table 96. Sixth Element Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 97. Sixth Element Business Overview

Table 98. Sixth Element Recent Developments

Table 99. Knano Graphene and 2-D Materials Basic Information

Table 100. Knano Graphene and 2-D Materials Product Overview

Table 101. Knano Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 102. Knano Business Overview

Table 103. Knano Recent Developments

Table 104. Morsh Graphene and 2-D Materials Basic Information

Table 105. Morsh Graphene and 2-D Materials Product Overview

Table 106. Morsh Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2019-2024)

Table 107. Morsh Business Overview

Table 108. Morsh Recent Developments

Table 109. Global Graphene and 2-D Materials Sales Forecast by Region (2025-2032) & (K MT)

Table 110. Global Graphene and 2-D Materials Market Size Forecast by Region (2025-2032) & (M USD)

Table 111. North America Graphene and 2-D Materials Sales Forecast by Country (2025-2032) & (K MT)

Table 112. North America Graphene and 2-D Materials Market Size Forecast by Country (2025-2032) & (M USD)

Table 113. Europe Graphene and 2-D Materials Sales Forecast by Country (2025-2032) & (K MT)

Table 114. Europe Graphene and 2-D Materials Market Size Forecast by Country (2025-2032) & (M USD)

Table 115. Asia Pacific Graphene and 2-D Materials Sales Forecast by Region (2025-2032) & (K MT)

Table 116. Asia Pacific Graphene and 2-D Materials Market Size Forecast by Region (2025-2032) & (M USD)

Table 117. South America Graphene and 2-D Materials Sales Forecast by Country (2025-2032) & (K MT)

Table 118. South America Graphene and 2-D Materials Market Size Forecast by Country (2025-2032) & (M USD)

Table 119. Middle East and Africa Graphene and 2-D Materials Consumption Forecast by Country (2025-2032) & (Units)

Table 120. Middle East and Africa Graphene and 2-D Materials Market Size Forecast by Country (2025-2032) & (M USD)

Table 121. Global Graphene and 2-D Materials Sales Forecast by Type (2025-2032) & (K MT)

Table 122. Global Graphene and 2-D Materials Market Size Forecast by Type (2025-2032) & (M USD)

Table 123. Global Graphene and 2-D Materials Price Forecast by Type (2025-2032) & (USD/MT)

Table 124. Global Graphene and 2-D Materials Sales (K MT) Forecast by Application (2025-2032)

Table 125. Global Graphene and 2-D Materials Market Size Forecast by Application (2025-2032) & (M USD)

List Of Figures

LIST OF FIGURES

Figure 1. Product Picture of Graphene and 2-D Materials

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Graphene and 2-D Materials Market Size (M USD), 2019-2032

Figure 5. Global Graphene and 2-D Materials Market Size (M USD) (2019-2032)

Figure 6. Global Graphene and 2-D Materials Sales (K MT) & (2019-2032)

Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 9. Evaluation Matrix of Regional Market Development Potential

Figure 10. Graphene and 2-D Materials Market Size by Country (M USD)

Figure 11. Graphene and 2-D Materials Sales Share by Manufacturers in 2023

Figure 12. Global Graphene and 2-D Materials Revenue Share by Manufacturers in 2023

Figure 13. Graphene and 2-D Materials Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023

Figure 14. Global Market Graphene and 2-D Materials Average Price (USD/MT) of Key Manufacturers in 2023

Figure 15. The Global 5 and 10 Largest Players: Market Share by Graphene and 2-D Materials Revenue in 2023

Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 17. Global Graphene and 2-D Materials Market Share by Type

Figure 18. Sales Market Share of Graphene and 2-D Materials by Type (2019-2024)

Figure 19. Sales Market Share of Graphene and 2-D Materials by Type in 2023

Figure 20. Market Size Share of Graphene and 2-D Materials by Type (2019-2024)

Figure 21. Market Size Market Share of Graphene and 2-D Materials by Type in 2023

Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 23. Global Graphene and 2-D Materials Market Share by Application

Figure 24. Global Graphene and 2-D Materials Sales Market Share by Application (2019-2024)

Figure 25. Global Graphene and 2-D Materials Sales Market Share by Application in 2023

Figure 26. Global Graphene and 2-D Materials Market Share by Application (2019-2024)

Figure 27. Global Graphene and 2-D Materials Market Share by Application in 2023

Figure 28. Global Graphene and 2-D Materials Sales Growth Rate by Application

(2019-2024)

Figure 29. Global Graphene and 2-D Materials Sales Market Share by Region

(2019-2024)

Figure 30. North America Graphene and 2-D Materials Sales and Growth Rate

(2019-2024) & (K MT)

Figure 31. North America Graphene and 2-D Materials Sales Market Share by Country in 2023

Figure 32. U.S. Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 33. Canada Graphene and 2-D Materials Sales (K MT) and Growth Rate (2019-2024)

Figure 34. Mexico Graphene and 2-D Materials Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 36. Europe Graphene and 2-D Materials Sales Market Share by Country in 2023

Figure 37. Germany Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 38. France Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 39. U.K. Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 40. Italy Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 41. Russia Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 42. Asia Pacific Graphene and 2-D Materials Sales and Growth Rate (K MT)

Figure 43. Asia Pacific Graphene and 2-D Materials Sales Market Share by Region in 2023

Figure 44. China Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 45. Japan Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 46. South Korea Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 47. India Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 48. Southeast Asia Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 49. South America Graphene and 2-D Materials Sales and Growth Rate (K MT)

Figure 50. South America Graphene and 2-D Materials Sales Market Share by Country in 2023

Figure 51. Brazil Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 52. Argentina Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 53. Columbia Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 54. Middle East and Africa Graphene and 2-D Materials Sales and Growth Rate (K MT)

Figure 55. Middle East and Africa Graphene and 2-D Materials Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 57. UAE Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 58. Egypt Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 59. Nigeria Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 60. South Africa Graphene and 2-D Materials Sales and Growth Rate (2019-2024) & (K MT)

Figure 61. Global Graphene and 2-D Materials Production Market Share by Region (2019-2024)

Figure 62. North America Graphene and 2-D Materials Production (K MT) Growth Rate (2019-2024)

Figure 63. Europe Graphene and 2-D Materials Production (K MT) Growth Rate (2019-2024)

Figure 64. Japan Graphene and 2-D Materials Production (K MT) Growth Rate (2019-2024)

Figure 65. China Graphene and 2-D Materials Production (K MT) Growth Rate (2019-2024)

Figure 66. Global Graphene and 2-D Materials Sales Forecast by Volume (2019-2032) & (K MT)

Figure 67. Global Graphene and 2-D Materials Market Size Forecast by Value (2019-2032) & (M USD)

Figure 68. Global Graphene and 2-D Materials Sales Market Share Forecast by Type (2025-2032)

Figure 69. Global Graphene and 2-D Materials Market Share Forecast by Type
(2025-2032)

Figure 70. Global Graphene and 2-D Materials Sales Forecast by Application
(2025-2032)

Figure 71. Global Graphene and 2-D Materials Market Share Forecast by Application
(2025-2032)

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