

Global Graphene and 2-D Materials Market Research Report 2025(Status and Outlook)

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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.

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 (USD Billion) 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 and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 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 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

Table of 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 Global 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 (2020-2033)

2.1.2 Global Graphene and 2-D Materials Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 Global Graphene and 2-D Materials Market Competitive Landscape

3.1 Company Assessment Quadrant

3.2 Global Graphene and 2-D Materials Product Life Cycle

3.3 Global Graphene and 2-D Materials Sales by Manufacturers (2020-2025)

3.4 Global Graphene and 2-D Materials Revenue Market Share by Manufacturers (2020-2025)

3.5 Graphene and 2-D Materials Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Graphene and 2-D Materials Average Price by Manufacturers (2020-2025)

3.7 Manufacturers Graphene and 2-D Materials Manufacturing Sites, Area Served, Product Type

3.8 Graphene and 2-D Materials Market Competitive Situation and Trends

3.8.1 Graphene and 2-D Materials Market Concentration Rate

3.8.2 Global 5 and 10 Largest Graphene and 2-D Materials Players Market Share by Revenue

3.8.3 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 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
 - 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
 - 5.6 Global Graphene and 2-D Materials Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to Graphene and 2-D Materials Market
 - 5.7 ESG Ratings of Leading Companies
- 6 Global Graphene and 2-D Materials Market by Region
 - 6.1 Global Graphene and 2-D Materials Market Size by Region
 - 6.1.1 Global Graphene and 2-D Materials Market Size by Region
 - 6.1.2 Global Graphene and 2-D Materials Market Size Market Share by Region
 - 6.2 Global Graphene and 2-D Materials Sales by Region
 - 6.2.1 Global Graphene and 2-D Materials Sales by Region
 - 6.2.2 Global Graphene and 2-D Materials Sales Market Share by Region
- 7 North America Market Overview
 - 7.1 North America Graphene and 2-D Materials Market Size by Country
 - 7.1.1 USA Market Overview
 - 7.1.2 Canada Market Overview
 - 7.1.3 Mexico Market Overview
 - 7.2 North America Graphene and 2-D Materials Market Size by Type
 - 7.3 North America Graphene and 2-D Materials Market Size by Application
- 8 Europe Market Overview
 - 8.1 Europe Graphene and 2-D Materials Market Size by Country
 - 8.1.1 Germany Market Overview
 - 8.1.2 France Market Overview

- 8.1.3 U.K. Market Overview
- 8.1.4 Italy Market Overview
- 8.1.5 Spain Market Overview
- 8.2 Europe Graphene and 2-D Materials Market Size by Type
- 8.3 Europe Graphene and 2-D Materials Market Size by Application
- 9 Asia-Pacific Market Overview
 - 9.1 Asia-Pacific Graphene and 2-D Materials Market Size by Country
 - 9.1.1 China Market Overview
 - 9.1.2 Japan Market Overview
 - 9.1.3 South Korea Market Overview
 - 9.1.4 India Market Overview
 - 9.1.5 Southeast Asia Market Overview
 - 9.2 Asia-Pacific Graphene and 2-D Materials Market Size by Type
 - 9.3 Asia-Pacific Graphene and 2-D Materials Market Size by Application
- 10 South America Market Overview
 - 10.1 South America Graphene and 2-D Materials Market Size by Country
 - 10.1.1 Brazil Market Overview
 - 10.1.2 Argentina Market Overview
 - 10.1.3 Columbia Market Overview
 - 10.2 South America Graphene and 2-D Materials Market Size by Type
 - 10.3 South America Graphene and 2-D Materials Market Size by Application
- 11 Middle East and Africa Market Overview
 - 11.1 Middle East and Africa Graphene and 2-D Materials Market Size by Country
 - 11.1.1 Saudi Arabia Market Overview
 - 11.1.2 UAE Market Overview
 - 11.1.3 Egypt Market Overview
 - 11.1.4 Nigeria Market Overview
 - 11.1.5 South Africa Market Overview
 - 11.2 Middle East and Africa Graphene and 2-D Materials Market Size by Type
 - 11.3 Middle East and Africa Graphene and 2-D Materials Market Size by Application
- 12 Graphene and 2-D Materials Market Production by Region
 - 12.1 Global Production of Graphene and 2-D Materials by Region(2020-2025)
 - 12.2 Global Graphene and 2-D Materials Revenue Market Share by Region (2020-2025)
 - 12.3 Global Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2020-2025)
 - 12.4 North America Graphene and 2-D Materials Production
 - 12.4.1 North America Graphene and 2-D Materials Production Growth Rate (2020-2025)

- 12.4.2 North America Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2020-2025)
- 12.5 Europe Graphene and 2-D Materials Production
 - 12.5.1 Europe Graphene and 2-D Materials Production Growth Rate (2020-2025)
 - 12.5.2 Europe Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2020-2025)
- 12.6 Japan Graphene and 2-D Materials Production (2020-2025)
 - 12.6.1 Japan Graphene and 2-D Materials Production Growth Rate (2020-2025)
 - 12.6.2 Japan Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2020-2025)
- 12.7 China Graphene and 2-D Materials Production (2020-2025)
 - 12.7.1 China Graphene and 2-D Materials Production Growth Rate (2020-2025)
 - 12.7.2 China Graphene and 2-D Materials Production, Revenue, Price and Gross Margin (2020-2025)
- 13 Graphene and 2-D Materials Market Segmentation by Type
 - 13.1 Evaluation Matrix of Segment Market Development Potential (Type)
 - 13.2 Global Graphene and 2-D Materials Sales Market Share by Type (2020-2033)
 - 13.3 Global Graphene and 2-D Materials Market Size Market Share by Type (2020-2033)
 - 13.4 Global Graphene and 2-D Materials Price by Type (2020-2033)
- 14 Graphene and 2-D Materials Market Segmentation by Application
 - 14.1 Evaluation Matrix of Segment Market Development Potential (Application)
 - 14.2 Global Graphene and 2-D Materials Market Sales by Application (2020-2033)
 - 14.3 Global Graphene and 2-D Materials Market Size (M USD) by Application (2020-2033)
 - 14.4 Global Graphene and 2-D Materials Sales Growth Rate by Application (2020-2033)
- 15 Key Companies Profile
 - 15.1 XG Science
 - 15.1.1 XG Science Basic Information
 - 15.1.2 XG Science Graphene and 2-D Materials Product Overview
 - 15.1.3 XG Science Graphene and 2-D Materials Product Market Performance
 - 15.1.4 XG Science Business Overview
 - 15.1.5 XG Science SWOT Analysis
 - 15.1.6 XG Science Recent Developments
 - 15.2 Angstrom Materials
 - 15.2.1 Angstrom Materials Basic Information
 - 15.2.2 Angstrom Materials Graphene and 2-D Materials Product Overview
 - 15.2.3 Angstrom Materials Graphene and 2-D Materials Product Market Performance
 - 15.2.4 Angstrom Materials Business Overview

- 15.2.5 Angstrom Materials SWOT Analysis
- 15.2.6 Angstrom Materials Recent Developments
- 15.3 Vorbeck Materials
 - 15.3.1 Vorbeck Materials Basic Information
 - 15.3.2 Vorbeck Materials Graphene and 2-D Materials Product Overview
 - 15.3.3 Vorbeck Materials Graphene and 2-D Materials Product Market Performance
 - 15.3.4 Vorbeck Materials Business Overview
 - 15.3.5 Vorbeck Materials SWOT Analysis
 - 15.3.6 Vorbeck Materials Recent Developments
- 15.4 Applied Graphene Materials
 - 15.4.1 Applied Graphene Materials Basic Information
 - 15.4.2 Applied Graphene Materials Graphene and 2-D Materials Product Overview
 - 15.4.3 Applied Graphene Materials Graphene and 2-D Materials Product Market Performance
 - 15.4.4 Applied Graphene Materials Business Overview
 - 15.4.5 Applied Graphene Materials Recent Developments
- 15.5 NanoXplore
 - 15.5.1 NanoXplore Basic Information
 - 15.5.2 NanoXplore Graphene and 2-D Materials Product Overview
 - 15.5.3 NanoXplore Graphene and 2-D Materials Product Market Performance
 - 15.5.4 NanoXplore Business Overview
 - 15.5.5 NanoXplore Recent Developments
- 15.6 Huagao
 - 15.6.1 Huagao Basic Information
 - 15.6.2 Huagao Graphene and 2-D Materials Product Overview
 - 15.6.3 Huagao Graphene and 2-D Materials Product Market Performance
 - 15.6.4 Huagao Business Overview
 - 15.6.5 Huagao Recent Developments
- 15.7 Cambridge Nanosystems
 - 15.7.1 Cambridge Nanosystems Basic Information
 - 15.7.2 Cambridge Nanosystems Graphene and 2-D Materials Product Overview
 - 15.7.3 Cambridge Nanosystems Graphene and 2-D Materials Product Market Performance
 - 15.7.4 Cambridge Nanosystems Business Overview
 - 15.7.5 Cambridge Nanosystems Recent Developments
- 15.8 Grafen
 - 15.8.1 Grafen Basic Information
 - 15.8.2 Grafen Graphene and 2-D Materials Product Overview
 - 15.8.3 Grafen Graphene and 2-D Materials Product Market Performance

15.8.4 Grafen Business Overview

15.8.5 Grafen Recent Developments

15.9 Sixth Element

15.9.1 Sixth Element Basic Information

15.9.2 Sixth Element Graphene and 2-D Materials Product Overview

15.9.3 Sixth Element Graphene and 2-D Materials Product Market Performance

15.9.4 Sixth Element Business Overview

15.9.5 Sixth Element Recent Developments

15.10 Knano

15.10.1 Knano Basic Information

15.10.2 Knano Graphene and 2-D Materials Product Overview

15.10.3 Knano Graphene and 2-D Materials Product Market Performance

15.10.4 Knano Business Overview

15.10.5 Knano Recent Developments

15.11 Morsh

15.11.1 Morsh Basic Information

15.11.2 Morsh Graphene and 2-D Materials Product Overview

15.11.3 Morsh Graphene and 2-D Materials Product Market Performance

15.11.4 Morsh Business Overview

15.11.5 Morsh Recent Developments

16 Conclusion and Key FindingsList of Tables

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Graphene and 2-D Materials Market Size by Type (M USD)

Table 4. Global Graphene and 2-D Materials Market Size by Application (M USD)

Table 5. Graphene and 2-D Materials Market Size Comparison by Region (M USD)

Table 6. Global Graphene and 2-D Materials Sales (K MT) by Manufacturers
(2020-2025)

Table 7. Global Graphene and 2-D Materials Sales Market Share by Manufacturers
(2020-2025)

Table 8. Global Graphene and 2-D Materials Revenue (M USD) by Manufacturers
(2020-2025)

Table 9. Global Graphene and 2-D Materials Revenue Share by Manufacturers
(2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in
Graphene and 2-D Materials as of 2024)

Table 11. Global Market Graphene and 2-D Materials Average Price (USD/MT) of Key
Manufacturers (2020-2025)

Table 12. Manufacturers Graphene and 2-D Materials Manufacturing Sites and Area

Served

Table 13. Manufacturers Graphene and 2-D Materials Product Type

Table 14. Global Graphene and 2-D Materials Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

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. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 25. Graphene and 2-D Materials Market Size Comparison by Region (M USD)

Table 26. Global Graphene and 2-D Materials Market Size by Region (2020-2033) & (M USD)

Table 27. Global Graphene and 2-D Materials Market Size Market Share by Region (2020-2033)

Table 28. Global Graphene and 2-D Materials Sales by Region (2020-2033) & (K MT)

Table 29. Global Graphene and 2-D Materials Sales Market Share by Region (2020-2033)

Table 30. North America Graphene and 2-D Materials Market Size by Country (2020-2033) & (M USD)

Table 31. North America Graphene and 2-D Materials Sales by Country (2020-2033) & (K MT)

Table 32. North America Graphene and 2-D Materials Sales by Type (K MT)

Table 33. North America Graphene and 2-D Materials Market Size by Type (M USD)

Table 34. North America Graphene and 2-D Materials Sales (K MT) by Type (2020-2033)

Table 35. North America Graphene and 2-D Materials Market Size (M USD) by Type (2020-2033)

Table 36. North America Graphene and 2-D Materials Sales by Application (K MT)

Table 37. North America Graphene and 2-D Materials Market Size by Application (M USD)

Table 38. North America Graphene and 2-D Materials Sales (K MT) by Application (2020-2033)

Table 39. North America Graphene and 2-D Materials Market Size (M USD) by Application (2020-2033)

Table 40. Europe Graphene and 2-D Materials Market Size by Country (2020-2033) & (M USD)

Table 41. Europe Graphene and 2-D Materials Sales by Country (2020-2033) & (K MT)

Table 42. Europe Graphene and 2-D Materials Sales by Type (K MT)

Table 43. Europe Graphene and 2-D Materials Market Size by Type (M USD)

Table 44. Europe Graphene and 2-D Materials Sales (K MT) by Type (2020-2033)

Table 45. Europe Graphene and 2-D Materials Market Size (M USD) by Type (2020-2033)

Table 46. Europe Graphene and 2-D Materials Sales by Application (K MT)

Table 47. Europe Graphene and 2-D Materials Market Size by Application (M USD)

Table 48. Europe Graphene and 2-D Materials Sales (K MT) by Application (2020-2033)

Table 49. Europe Graphene and 2-D Materials Market Size (M USD) by Application (2020-2033)

Table 50. Asia-Pacific Graphene and 2-D Materials Market Size by Country (2020-2025) & (M USD)

Table 51. Asia-Pacific Graphene and 2-D Materials Sales by Country (2020-2025) & (K MT)

Table 52. Asia-Pacific Graphene and 2-D Materials Sales by Type (K MT)

Table 53. Asia-Pacific Graphene and 2-D Materials Market Size by Type (M USD)

Table 54. Asia-Pacific Graphene and 2-D Materials Sales (K MT) by Type (2020-2033)

Table 55. Asia-Pacific Graphene and 2-D Materials Market Size (M USD) by Type (2020-2025)

Table 56. Asia-Pacific Graphene and 2-D Materials Sales by Application (K MT)

Table 57. Asia-Pacific Graphene and 2-D Materials Market Size by Application (M USD)

Table 58. Asia-Pacific Graphene and 2-D Materials Sales (K MT) by Application (2020-2033)

Table 59. Asia-Pacific Graphene and 2-D Materials Market Size (M USD) by Application (2020-2025)

Table 60. South America Graphene and 2-D Materials Market Size by Country (2020-2033) & (M USD)

Table 61. South America Graphene and 2-D Materials Sales by Country (2020-2033) & (K MT)

Table 62. South America Graphene and 2-D Materials Sales by Type (K MT)

Table 63. South America Graphene and 2-D Materials Market Size by Type (M USD)

Table 64. South America Graphene and 2-D Materials Sales (K MT) by Type (2020-2033)

Table 65. South America Graphene and 2-D Materials Market Size (M USD) by Type (2020-2033)

Table 66. South America Graphene and 2-D Materials Sales by Application (K MT)

Table 67. South America Graphene and 2-D Materials Market Size by Application (M USD)

Table 68. South America Graphene and 2-D Materials Sales (K MT) by Application (2020-2033)

Table 69. South America Graphene and 2-D Materials Market Size (M USD) by Application (2020-2033)

Table 70. Middle East and Africa Graphene and 2-D Materials Market Size by Country (2020-2033) & (M USD)

Table 71. Middle East and Africa Graphene and 2-D Materials Sales by Country (2020-2033) & (K MT)

Table 72. Middle East and Africa Graphene and 2-D Materials Sales by Type (K MT)

Table 73. Middle East and Africa Graphene and 2-D Materials Market Size by Type (M USD)

Table 74. Middle East and Africa Graphene and 2-D Materials Sales (K MT) by Type (2020-2033)

Table 75. Middle East and Africa Graphene and 2-D Materials Market Size (M USD) by Type (2020-2033)

Table 76. Middle East and Africa Graphene and 2-D Materials Sales by Application (K MT)

Table 77. Middle East and Africa Graphene and 2-D Materials Market Size by Application (M USD)

Table 78. Middle East and Africa Graphene and 2-D Materials Sales (K MT) by Application (2020-2033)

Table 79. Middle East and Africa Graphene and 2-D Materials Market Size (M USD) by Application (2020-2033)

Table 80. Global Graphene and 2-D Materials Production (K MT) by Region(2020-2025)

Table 81. Global Graphene and 2-D Materials Revenue (US\$ Million) by Region (2020-2025)

Table 82. Global Graphene and 2-D Materials Revenue Market Share by Region (2020-2025)

Table 83. Global Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 84. North America Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 85. Europe Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 86. Japan Graphene and 2-D Materials Production (K MT), Revenue (US\$ Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 87. China Graphene and 2-D Materials Production (K MT), Revenue (US\$

Million), Price (USD/MT) and Gross Margin (2020-2025)

Table 88. Global Graphene and 2-D Materials Sales by Type (K MT)

Table 89. Global Graphene and 2-D Materials Market Size by Type (M USD)

Table 90. Global Graphene and 2-D Materials Sales (K MT) by Type (2020-2033)

Table 91. Global Graphene and 2-D Materials Sales Market Share by Type (2020-2033)

Table 92. Global Graphene and 2-D Materials Market Size (M USD) by Type
(2020-2033)

Table 93. Global Graphene and 2-D Materials Market Size Share by Type (2020-2033)

Table 94. Global Graphene and 2-D Materials Sales (K MT) by Application

Table 95. Global Graphene and 2-D Materials Market Size by Application(M USD)

Table 96. Global Graphene and 2-D Materials Sales by Application (2020-2033) & (K
MT)

Table 97. Global Graphene and 2-D Materials Sales Market Share by Application
(2020-2033)

Table 98. Global Graphene and 2-D Materials Market Size by Application (2020-2033) &
(M USD)

Table 99. Global Graphene and 2-D Materials Market Share by Application (2020-2033)

Table 100. Global Graphene and 2-D Materials Sales Growth Rate by Application
(2020-2033)

Table 101. XG Science Basic Information

Table 102. XG Science Graphene and 2-D Materials Product Overview

Table 103. XG Science Graphene and 2-D Materials Sales (K MT), Revenue (M USD),
Price (USD/MT) and Gross Margin (2020-2025)

Table 104. XG Science Business Overview

Table 105. XG Science SWOT Analysis

Table 106. XG Science Recent Developments

Table 107. Angstrom Materials Basic Information

Table 108. Angstrom Materials Graphene and 2-D Materials Product Overview

Table 109. Angstrom Materials Graphene and 2-D Materials Sales (K MT), Revenue (M
USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 110. Angstrom Materials Business Overview

Table 111. Angstrom Materials SWOT Analysis

Table 112. Angstrom Materials Recent Developments

Table 113. Vorbeck Materials Basic Information

Table 114. Vorbeck Materials Graphene and 2-D Materials Product Overview

Table 115. Vorbeck Materials Graphene and 2-D Materials Sales (K MT), Revenue (M
USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 116. Vorbeck Materials Business Overview

Table 117. Vorbeck Materials SWOT Analysis

Table 118.	Vorbeck Materials Recent Developments
Table 119.	Applied Graphene Materials Basic Information
Table 120.	Applied Graphene Materials Graphene and 2-D Materials Product Overview
Table 121.	Applied Graphene Materials Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 122.	Applied Graphene Materials Business Overview
Table 123.	Applied Graphene Materials Recent Developments
Table 124.	NanoXplore Basic Information
Table 125.	NanoXplore Graphene and 2-D Materials Product Overview
Table 126.	NanoXplore Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 127.	NanoXplore Business Overview
Table 128.	NanoXplore Recent Developments
Table 129.	Huagao Basic Information
Table 130.	Huagao Graphene and 2-D Materials Product Overview
Table 131.	Huagao Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 132.	Huagao Business Overview
Table 133.	Huagao Recent Developments
Table 134.	Cambridge Nanosystems Basic Information
Table 135.	Cambridge Nanosystems Graphene and 2-D Materials Product Overview
Table 136.	Cambridge Nanosystems Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 137.	Cambridge Nanosystems Business Overview
Table 138.	Cambridge Nanosystems Recent Developments
Table 139.	Grafen Basic Information
Table 140.	Grafen Graphene and 2-D Materials Product Overview
Table 141.	Grafen Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 142.	Grafen Business Overview
Table 143.	Grafen Recent Developments
Table 144.	Sixth Element Basic Information
Table 145.	Sixth Element Graphene and 2-D Materials Product Overview
Table 146.	Sixth Element Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)
Table 147.	Sixth Element Business Overview
Table 148.	Sixth Element Recent Developments
Table 149.	Knano Basic Information
Table 150.	Knano Graphene and 2-D Materials Product Overview

Table 151. Knano Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 152. Knano Business Overview

Table 153. Knano Recent Developments

Table 154. Morsh Basic Information

Table 155. Morsh Graphene and 2-D Materials Product Overview

Table 156. Morsh Graphene and 2-D Materials Sales (K MT), Revenue (M USD), Price (USD/MT) and Gross Margin (2020-2025)

Table 157. Morsh Business Overview

Table 158. Morsh Recent Developments

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), 2024-2033

Figure 5. Global Graphene and 2-D Materials Market Size (M USD) (2020-2033)

Figure 6. Global Graphene and 2-D Materials Sales (K MT) & (2020-2033)

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. Company Assessment Quadrant

Figure 12. Global Graphene and 2-D Materials Product Life Cycle

Figure 13. Graphene and 2-D Materials Sales Share by Manufacturers in 2024

Figure 14. Global Graphene and 2-D Materials Revenue Share by Manufacturers in 2024

Figure 15. Graphene and 2-D Materials Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Graphene and 2-D Materials Average Price (USD/MT) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by Graphene and 2-D Materials Revenue in 2024

Figure 18. Industry Chain Map of Graphene and 2-D Materials

Figure 19. Global Graphene and 2-D Materials Market PEST Analysis

Figure 20. Global Graphene and 2-D Materials Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Regional Market Development Potential

Figure 26. Global Graphene and 2-D Materials Market Size by Region

Figure 27. Global Graphene and 2-D Materials Market Size Market Share by Region (2020-2033)

Figure 28. Global Graphene and 2-D Materials Sales Market Share by Region (2020-2033)

Figure 29. North American Market Snapshot

Figure 30. North America Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 31. North America Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 32. North America Graphene and 2-D Materials Market Size (M USD) by Country

Figure 33. USA Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 34. USA Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 35. Canada Graphene and 2-D Materials Sales (K MT) and Growth Rate (2020-2033)

Figure 36. Canada Graphene and 2-D Materials Market Size (M USD) and Growth Rate (2020-2033)

Figure 37. Mexico Graphene and 2-D Materials Sales (Units) and Growth Rate (2020-2033)

Figure 38. Mexico Graphene and 2-D Materials Market Size (M USD) and Growth Rate (2020-2033)

Figure 39. North America Graphene and 2-D Materials Market Size (M USD) by Type

Figure 40. North America Graphene and 2-D Materials Market Size (M USD) by Application

Figure 41. Europe Market Snapshot

Figure 42. Europe Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 43. Europe Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 44. Europe Graphene and 2-D Materials Market Size (M USD) by Country

Figure 45. Germany Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 46. Germany Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 47. France Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 48. France Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 49. U.K. Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 50. U.K. Graphene and 2-D Materials Market Size and Growth Rate (2020-2025) & (M USD)

Figure 51. Italy Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 52. Italy Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 53. Spain Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 54. Spain Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 55. Europe Graphene and 2-D Materials Market Size (M USD) by Type

Figure 56. Europe Graphene and 2-D Materials Market Size (M USD) by Application

Figure 57. Asia-Pacific Market Snapshot

Figure 58. Asia-Pacific Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 59. Asia-Pacific Graphene and 2-D Materials Market Size and Growth Rate (2020-2025) & (M USD)

Figure 60. Asia-Pacific Graphene and 2-D Materials Market Size (M USD) by Country

Figure 61. China Graphene and 2-D Materials Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. China Graphene and 2-D Materials Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Japan Graphene and 2-D Materials Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Japan Graphene and 2-D Materials Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. South Korea Graphene and 2-D Materials Sales and Growth Rate (2020-2025) & (K MT)

Figure 66. South Korea Graphene and 2-D Materials Market Size and Growth Rate (2020-2025) & (M USD)

Figure 67. India Graphene and 2-D Materials Sales and Growth Rate (2020-2025) & (K MT)

Figure 68. India Graphene and 2-D Materials Market Size and Growth Rate (2020-2025) & (M USD)

Figure 69. Southeast Asia Graphene and 2-D Materials Sales and Growth Rate

(2020-2025) & (K MT)

Figure 70. Southeast Asia Graphene and 2-D Materials Market Size and Growth Rate (2020-2025) & (M USD)

Figure 71. Asia-Pacific Graphene and 2-D Materials Market Size (M USD) by Type

Figure 72. Asia-Pacific Graphene and 2-D Materials Market Size (M USD) by Application

Figure 73. South America Market Snapshot

Figure 74. South America Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 75. South America Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 76. South America Graphene and 2-D Materials Market Size (M USD) by Country

Figure 77. Brazil Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 78. Brazil Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 79. Argentina Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 80. Argentina Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 81. Columbia Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 82. Columbia Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 83. South America Graphene and 2-D Materials Market Size (M USD) by Type

Figure 84. South America Graphene and 2-D Materials Market Size (M USD) by Application

Figure 85. Middle East and Africa Market Snapshot

Figure 86. Middle East and Africa Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 87. Middle East and Africa Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 88. Middle East and Africa Graphene and 2-D Materials Market Size (M USD) by Country

Figure 89. Saudi Arabia Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 90. Saudi Arabia Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 91. UAE Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 92. UAE Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 93. Egypt Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 94. Egypt Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 95. Nigeria Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 96. Nigeria Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 97. South Africa Graphene and 2-D Materials Sales and Growth Rate (2020-2033) & (K MT)

Figure 98. South Africa Graphene and 2-D Materials Market Size and Growth Rate (2020-2033) & (M USD)

Figure 99. Middle East and Africa Graphene and 2-D Materials Market Size (M USD) by Type

Figure 100. Middle East and Africa Graphene and 2-D Materials Market Size (M USD) by Application

Figure 101. Global Graphene and 2-D Materials Production Market Share by Region (2020-2025)

Figure 102. North America Graphene and 2-D Materials Production (K MT) Growth Rate (2020-2025)

Figure 103. Europe Graphene and 2-D Materials Production (K MT) Growth Rate (2020-2025)

Figure 104. Japan Graphene and 2-D Materials Production (K MT) Growth Rate (2020-2025)

Figure 105. China Graphene and 2-D Materials Production (K MT) Growth Rate (2020-2025)

Figure 106. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 107. Global Graphene and 2-D Materials Market Size by Type (M USD)

Figure 108. Sales Market Share of Graphene and 2-D Materials by Type (2020-2033)

Figure 109. Sales Market Share of Graphene and 2-D Materials by Type in 2024

Figure 110. Market Size Share of Graphene and 2-D Materials by Type (2020-2033)

Figure 111. Market Size Share of Graphene and 2-D Materials by Type in 2024

Figure 112. Global Graphene and 2-D Materials Price (USD/MT) by Type (2020-2033)

Figure 113. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 114. Global Graphene and 2-D Materials Market Size by Application(M USD)

Figure 115. Global Graphene and 2-D Materials Market Share by Application

Figure 116. Global Graphene and 2-D Materials Sales Market Share by Application
(2020-2033)

Figure 117. Global Graphene and 2-D Materials Sales Market Share by Application in
2024

Figure 118. Global Graphene and 2-D Materials Market Share by Application
(2020-2033)

Figure 119. Global Graphene and 2-D Materials Market Share by Application in 2024

Figure 120. Global Graphene and 2-D Materials Sales Growth Rate by Application
(2020-2033)

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