

Global Graphene and 2-D Materials Market Analysis and Forecast 2024-2030

<https://marketpublishers.com/r/G352F41E93CAEN.html>

Date: April 2024

Pages: 215

Price: US\$ 4,950.00 (Single User License)

ID: G352F41E93CAEN

Abstracts

Summary

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.

According to APO Research, The global Graphene and 2-D Materials market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Graphene and 2-D Materials is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Graphene and 2-D Materials is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Graphene and 2-D Materials is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Graphene and 2-D Materials is estimated to increase from \$ million in

2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Graphene and 2-D Materials include XG Science, Angstrom Materials, Vorbeck Materials, Applied Graphene Materials, NanoXplore, Huagao, Cambridge Nanosystems, Grafen and Sixth Element, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Graphene and 2-D Materials production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Graphene and 2-D Materials by region (region level and country level), by Company, by Type and by Application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Graphene and 2-D Materials, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Graphene and 2-D Materials, also provides the consumption of main regions and countries. Of the upcoming market potential for Graphene and 2-D Materials, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Graphene and 2-D Materials sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Graphene and 2-D Materials market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Graphene and

2-D Materials sales, projected growth trends, production technology, application and end-user industry.

Graphene and 2-D Materials segment by Company

XG Science

Angstrom Materials

Vorbeck Materials

Applied Graphene Materials

NanoXplore

Huagao

Cambridge Nanosystems

Grafen

Sixth Element

Knano

Morsh

Graphene and 2-D Materials segment by Particle Size

1 to 20 Nanometers

1 to 50 Microns

Graphene and 2-D Materials segment by Application

Ink & Coatings

Composite Materials

Electronic Materials

Research Institute

Graphene and 2-D Materials segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.

6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Graphene and 2-D Materials market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.

2. This report will help stakeholders to understand the global industry status and trends of Graphene and 2-D Materials and provides them with information on key market drivers, restraints, challenges, and opportunities.

3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.

4. This report stays updated with novel technology integration, features, and the latest developments in the market.

5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Graphene and 2-D Materials.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Introduces the report scope of the report, executive summary of different market segments (by type and by 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 market and its likely evolution in the short to mid-term, and long term.

Chapter 2: Introduces the market dynamics, 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 3: Graphene and 2-D Materials production/output of global and key producers (regions/countries). It provides a quantitative analysis of the production, and development potential of each producer in the next six years.

Chapter 4: Sales (consumption), revenue of Graphene and 2-D Materials in global, regional level and country level. It 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 of each country in the world.

Chapter 5: Detailed analysis of Graphene and 2-D Materials manufacturers competitive landscape, price, sales, revenue, market share and industry ranking, latest development plan, merger, and acquisition information, etc.

Chapter 6: Provides the analysis of various market segments by type, covering the sales, revenue, average price, 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 by application, covering the sales, revenue, average price, and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8: Provides profiles of key manufacturers, introducing the basic situation of the main companies in the market in detail, including product descriptions and specifications, Graphene and 2-D Materials sales, revenue, price, gross margin, and recent development, etc.

Chapter 9: North America (US & Canada) by type, by application and by country, sales, and revenue for each segment.

Chapter 10: Europe by type, by application and by country, sales, and revenue for each segment.

Chapter 11: China by type, by application, sales, and revenue for each segment.

Chapter 12: Asia (Excluding China) by type, by application and by region, sales, and revenue for each segment.

Chapter 13: Middle East, Africa, Latin America by type, by application and by country, sales, and revenue for each segment.

Chapter 14: Analysis of industrial chain, sales channel, key raw materials, distributors and customers.

Chapter 15: The main concluding insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Graphene and 2-D Materials Market by Particle Size
 - 1.2.1 Global Graphene and 2-D Materials Market Size by Particle Size, 2019 VS 2023 VS 2030
 - 1.2.2 1 to 20 Nanometers
 - 1.2.3 1 to 50 Microns
- 1.3 Graphene and 2-D Materials Market by Application
 - 1.3.1 Global Graphene and 2-D Materials Market Size by Application, 2019 VS 2023 VS 2030
 - 1.3.2 Ink & Coatings
 - 1.3.3 Composite Materials
 - 1.3.4 Electronic Materials
 - 1.3.5 Research Institute
- 1.4 Assumptions and Limitations
- 1.5 Study Goals and Objectives

2 GRAPHENE AND 2-D MATERIALS MARKET DYNAMICS

- 2.1 Graphene and 2-D Materials Industry Trends
- 2.2 Graphene and 2-D Materials Industry Drivers
- 2.3 Graphene and 2-D Materials Industry Opportunities and Challenges
- 2.4 Graphene and 2-D Materials Industry Restraints

3 GLOBAL GRAPHENE AND 2-D MATERIALS PRODUCTION OVERVIEW

- 3.1 Global Graphene and 2-D Materials Production Capacity (2019-2030)
- 3.2 Global Graphene and 2-D Materials Production by Region: 2019 VS 2023 VS 2030
- 3.3 Global Graphene and 2-D Materials Production by Region
 - 3.3.1 Global Graphene and 2-D Materials Production by Region (2019-2024)
 - 3.3.2 Global Graphene and 2-D Materials Production by Region (2025-2030)
 - 3.3.3 Global Graphene and 2-D Materials Production Market Share by Region (2019-2030)
- 3.4 North America
- 3.5 Europe
- 3.6 Middle East & Africa

3.7 Japan

3.8 China

4 GLOBAL MARKET GROWTH PROSPECTS

4.1 Global Graphene and 2-D Materials Revenue Estimates and Forecasts (2019-2030)

4.2 Global Graphene and 2-D Materials Revenue by Region

4.2.1 Global Graphene and 2-D Materials Revenue by Region: 2019 VS 2023 VS 2030

4.2.2 Global Graphene and 2-D Materials Revenue by Region (2019-2024)

4.2.3 Global Graphene and 2-D Materials Revenue by Region (2025-2030)

4.2.4 Global Graphene and 2-D Materials Revenue Market Share by Region (2019-2030)

4.3 Global Graphene and 2-D Materials Sales Estimates and Forecasts 2019-2030

4.4 Global Graphene and 2-D Materials Sales by Region

4.4.1 Global Graphene and 2-D Materials Sales by Region: 2019 VS 2023 VS 2030

4.4.2 Global Graphene and 2-D Materials Sales by Region (2019-2024)

4.4.3 Global Graphene and 2-D Materials Sales by Region (2025-2030)

4.4.4 Global Graphene and 2-D Materials Sales Market Share by Region (2019-2030)

4.5 US & Canada

4.6 Europe

4.7 China

4.8 Asia (Excluding China)

4.9 Middle East, Africa and Latin America

5 MARKET COMPETITIVE LANDSCAPE BY MANUFACTURERS

5.1 Global Graphene and 2-D Materials Revenue by Manufacturers

5.1.1 Global Graphene and 2-D Materials Revenue by Manufacturers (2019-2024)

5.1.2 Global Graphene and 2-D Materials Revenue Market Share by Manufacturers (2019-2024)

5.1.3 Global Graphene and 2-D Materials Manufacturers Revenue Share Top 10 and Top 5 in 2023

5.2 Global Graphene and 2-D Materials Sales by Manufacturers

5.2.1 Global Graphene and 2-D Materials Sales by Manufacturers (2019-2024)

5.2.2 Global Graphene and 2-D Materials Sales Market Share by Manufacturers (2019-2024)

5.2.3 Global Graphene and 2-D Materials Manufacturers Sales Share Top 10 and Top 5 in 2023

5.3 Global Graphene and 2-D Materials Sales Price by Manufacturers (2019-2024)

5.4 Global Graphene and 2-D Materials Key Manufacturers Ranking, 2022 VS 2023 VS 2024

5.5 Global Graphene and 2-D Materials Key Manufacturers Manufacturing Sites & Headquarters

5.6 Global Graphene and 2-D Materials Manufacturers, Product Type & Application

5.7 Global Graphene and 2-D Materials Manufacturers Commercialization Time

5.8 Market Competitive Analysis

5.8.1 Global Graphene and 2-D Materials Market CR5 and HHI

5.8.2 2023 Graphene and 2-D Materials Tier 1, Tier 2, and Tier

6 GRAPHENE AND 2-D MATERIALS MARKET BY PARTICLE SIZE

6.1 Global Graphene and 2-D Materials Revenue by Particle Size

6.1.1 Global Graphene and 2-D Materials Revenue by Particle Size (2019 VS 2023 VS 2030)

6.1.2 Global Graphene and 2-D Materials Revenue by Particle Size (2019-2030) & (US\$ Million)

6.1.3 Global Graphene and 2-D Materials Revenue Market Share by Particle Size (2019-2030)

6.2 Global Graphene and 2-D Materials Sales by Particle Size

6.2.1 Global Graphene and 2-D Materials Sales by Particle Size (2019 VS 2023 VS 2030)

6.2.2 Global Graphene and 2-D Materials Sales by Particle Size (2019-2030) & (KG)

6.2.3 Global Graphene and 2-D Materials Sales Market Share by Particle Size (2019-2030)

6.3 Global Graphene and 2-D Materials Price by Particle Size

7 GRAPHENE AND 2-D MATERIALS MARKET BY APPLICATION

7.1 Global Graphene and 2-D Materials Revenue by Application

7.1.1 Global Graphene and 2-D Materials Revenue by Application (2019 VS 2023 VS 2030)

7.1.2 Global Graphene and 2-D Materials Revenue by Application (2019-2030) & (US\$ Million)

7.1.3 Global Graphene and 2-D Materials Revenue Market Share by Application (2019-2030)

7.2 Global Graphene and 2-D Materials Sales by Application

7.2.1 Global Graphene and 2-D Materials Sales by Application (2019 VS 2023 VS 2030)

- 7.2.2 Global Graphene and 2-D Materials Sales by Application (2019-2030) & (KG)
- 7.2.3 Global Graphene and 2-D Materials Sales Market Share by Application (2019-2030)
- 7.3 Global Graphene and 2-D Materials Price by Application

8 COMPANY PROFILES

8.1 XG Science

- 8.1.1 XG Science Company Information
- 8.1.2 XG Science Business Overview
- 8.1.3 XG Science Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.1.4 XG Science Graphene and 2-D Materials Product Portfolio
- 8.1.5 XG Science Recent Developments

8.2 Angstrom Materials

- 8.2.1 Angstrom Materials Company Information
- 8.2.2 Angstrom Materials Business Overview
- 8.2.3 Angstrom Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.2.4 Angstrom Materials Graphene and 2-D Materials Product Portfolio
- 8.2.5 Angstrom Materials Recent Developments

8.3 Vorbeck Materials

- 8.3.1 Vorbeck Materials Company Information
- 8.3.2 Vorbeck Materials Business Overview
- 8.3.3 Vorbeck Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.3.4 Vorbeck Materials Graphene and 2-D Materials Product Portfolio
- 8.3.5 Vorbeck Materials Recent Developments

8.4 Applied Graphene Materials

- 8.4.1 Applied Graphene Materials Company Information
- 8.4.2 Applied Graphene Materials Business Overview
- 8.4.3 Applied Graphene Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.4.4 Applied Graphene Materials Graphene and 2-D Materials Product Portfolio
- 8.4.5 Applied Graphene Materials Recent Developments

8.5 NanoXplore

- 8.5.1 NanoXplore Company Information
- 8.5.2 NanoXplore Business Overview
- 8.5.3 NanoXplore Graphene and 2-D Materials Sales, Revenue, Price and Gross

Margin (2019-2024)

8.5.4 NanoXplore Graphene and 2-D Materials Product Portfolio

8.5.5 NanoXplore Recent Developments

8.6 Huagao

8.6.1 Huagao Company Information

8.6.2 Huagao Business Overview

8.6.3 Huagao Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)

8.6.4 Huagao Graphene and 2-D Materials Product Portfolio

8.6.5 Huagao Recent Developments

8.7 Cambridge Nanosystems

8.7.1 Cambridge Nanosystems Company Information

8.7.2 Cambridge Nanosystems Business Overview

8.7.3 Cambridge Nanosystems Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)

8.7.4 Cambridge Nanosystems Graphene and 2-D Materials Product Portfolio

8.7.5 Cambridge Nanosystems Recent Developments

8.8 Grafen

8.8.1 Grafen Company Information

8.8.2 Grafen Business Overview

8.8.3 Grafen Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)

8.8.4 Grafen Graphene and 2-D Materials Product Portfolio

8.8.5 Grafen Recent Developments

8.9 Sixth Element

8.9.1 Sixth Element Company Information

8.9.2 Sixth Element Business Overview

8.9.3 Sixth Element Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)

8.9.4 Sixth Element Graphene and 2-D Materials Product Portfolio

8.9.5 Sixth Element Recent Developments

8.10 Knano

8.10.1 Knano Company Information

8.10.2 Knano Business Overview

8.10.3 Knano Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)

8.10.4 Knano Graphene and 2-D Materials Product Portfolio

8.10.5 Knano Recent Developments

8.11 Morsh

- 8.11.1 Morsh Comapny Information
- 8.11.2 Morsh Business Overview
- 8.11.3 Morsh Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2019-2024)
- 8.11.4 Morsh Graphene and 2-D Materials Product Portfolio
- 8.11.5 Morsh Recent Developments

9 NORTH AMERICA

- 9.1 North America Graphene and 2-D Materials Market Size by Particle Size
 - 9.1.1 North America Graphene and 2-D Materials Revenue by Particle Size (2019-2030)
 - 9.1.2 North America Graphene and 2-D Materials Sales by Particle Size (2019-2030)
 - 9.1.3 North America Graphene and 2-D Materials Price by Particle Size (2019-2030)
- 9.2 North America Graphene and 2-D Materials Market Size by Application
 - 9.2.1 North America Graphene and 2-D Materials Revenue by Application (2019-2030)
 - 9.2.2 North America Graphene and 2-D Materials Sales by Application (2019-2030)
 - 9.2.3 North America Graphene and 2-D Materials Price by Application (2019-2030)
- 9.3 North America Graphene and 2-D Materials Market Size by Country
 - 9.3.1 North America Graphene and 2-D Materials Revenue Grow Rate by Country (2019 VS 2023 VS 2030)
 - 9.3.2 North America Graphene and 2-D Materials Sales by Country (2019 VS 2023 VS 2030)
 - 9.3.3 North America Graphene and 2-D Materials Price by Country (2019-2030)
 - 9.3.4 U.S.
 - 9.3.5 Canada

10 EUROPE

- 10.1 Europe Graphene and 2-D Materials Market Size by Particle Size
 - 10.1.1 Europe Graphene and 2-D Materials Revenue by Particle Size (2019-2030)
 - 10.1.2 Europe Graphene and 2-D Materials Sales by Particle Size (2019-2030)
 - 10.1.3 Europe Graphene and 2-D Materials Price by Particle Size (2019-2030)
- 10.2 Europe Graphene and 2-D Materials Market Size by Application
 - 10.2.1 Europe Graphene and 2-D Materials Revenue by Application (2019-2030)
 - 10.2.2 Europe Graphene and 2-D Materials Sales by Application (2019-2030)
 - 10.2.3 Europe Graphene and 2-D Materials Price by Application (2019-2030)
- 10.3 Europe Graphene and 2-D Materials Market Size by Country
 - 10.3.1 Europe Graphene and 2-D Materials Revenue Grow Rate by Country (2019 VS

2023 VS 2030)

10.3.2 Europe Graphene and 2-D Materials Sales by Country (2019 VS 2023 VS 2030)

10.3.3 Europe Graphene and 2-D Materials Price by Country (2019-2030)

10.3.4 Germany

10.3.5 France

10.3.6 U.K.

10.3.7 Italy

10.3.8 Russia

11 CHINA

11.1 China Graphene and 2-D Materials Market Size by Particle Size

11.1.1 China Graphene and 2-D Materials Revenue by Particle Size (2019-2030)

11.1.2 China Graphene and 2-D Materials Sales by Particle Size (2019-2030)

11.1.3 China Graphene and 2-D Materials Price by Particle Size (2019-2030)

11.2 China Graphene and 2-D Materials Market Size by Application

11.2.1 China Graphene and 2-D Materials Revenue by Application (2019-2030)

11.2.2 China Graphene and 2-D Materials Sales by Application (2019-2030)

11.2.3 China Graphene and 2-D Materials Price by Application (2019-2030)

12 ASIA (EXCLUDING CHINA)

12.1 Asia Graphene and 2-D Materials Market Size by Particle Size

12.1.1 Asia Graphene and 2-D Materials Revenue by Particle Size (2019-2030)

12.1.2 Asia Graphene and 2-D Materials Sales by Particle Size (2019-2030)

12.1.3 Asia Graphene and 2-D Materials Price by Particle Size (2019-2030)

12.2 Asia Graphene and 2-D Materials Market Size by Application

12.2.1 Asia Graphene and 2-D Materials Revenue by Application (2019-2030)

12.2.2 Asia Graphene and 2-D Materials Sales by Application (2019-2030)

12.2.3 Asia Graphene and 2-D Materials Price by Application (2019-2030)

12.3 Asia Graphene and 2-D Materials Market Size by Country

12.3.1 Asia Graphene and 2-D Materials Revenue Grow Rate by Country (2019 VS 2023 VS 2030)

12.3.2 Asia Graphene and 2-D Materials Sales by Country (2019 VS 2023 VS 2030)

12.3.3 Asia Graphene and 2-D Materials Price by Country (2019-2030)

12.3.4 Japan

12.3.5 South Korea

12.3.6 India

- 12.3.7 Australia
- 12.3.8 China Taiwan
- 12.3.9 Southeast Asia

13 MIDDLE EAST, AFRICA AND LATIN AMERICA

13.1 Middle East, Africa and Latin America Graphene and 2-D Materials Market Size by Particle Size

- 13.1.1 Middle East, Africa and Latin America Graphene and 2-D Materials Revenue by Particle Size (2019-2030)
- 13.1.2 Middle East, Africa and Latin America Graphene and 2-D Materials Sales by Particle Size (2019-2030)
- 13.1.3 Middle East, Africa and Latin America Graphene and 2-D Materials Price by Particle Size (2019-2030)

13.2 Middle East, Africa and Latin America Graphene and 2-D Materials Market Size by Application

- 13.2.1 Middle East, Africa and Latin America Graphene and 2-D Materials Revenue by Application (2019-2030)
- 13.2.2 Middle East, Africa and Latin America Graphene and 2-D Materials Sales by Application (2019-2030)
- 13.2.3 Middle East, Africa and Latin America Graphene and 2-D Materials Price by Application (2019-2030)

13.3 Middle East, Africa and Latin America Graphene and 2-D Materials Market Size by Country

- 13.3.1 Middle East, Africa and Latin America Graphene and 2-D Materials Revenue Grow Rate by Country (2019 VS 2023 VS 2030)
- 13.3.2 Middle East, Africa and Latin America Graphene and 2-D Materials Sales by Country (2019 VS 2023 VS 2030)
- 13.3.3 Middle East, Africa and Latin America Graphene and 2-D Materials Price by Country (2019-2030)
- 13.3.4 Mexico
- 13.3.5 Brazil
- 13.3.6 Israel
- 13.3.7 Argentina
- 13.3.8 Colombia
- 13.3.9 Turkey
- 13.3.10 Saudi Arabia
- 13.3.11 UAE

14 VALUE CHAIN AND SALES CHANNELS ANALYSIS

14.1 Graphene and 2-D Materials Value Chain Analysis

14.1.1 Graphene and 2-D Materials Key Raw Materials

14.1.2 Raw Materials Key Suppliers

14.1.3 Manufacturing Cost Structure

14.1.4 Graphene and 2-D Materials Production Mode & Process

14.2 Graphene and 2-D Materials Sales Channels Analysis

14.2.1 Direct Comparison with Distribution Share

14.2.2 Graphene and 2-D Materials Distributors

14.2.3 Graphene and 2-D Materials Customers

15 CONCLUDING INSIGHTS

16 APPENDIX

16.1 Reasons for Doing This Study

16.2 Research Methodology

16.3 Research Process

16.4 Authors List of This Report

16.5 Data Source

16.5.1 Secondary Sources

16.5.2 Primary Sources

16.6 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Global Graphene and 2-D Materials Market Size Growth Rate by Particle Size (US\$ Million), 2019 VS 2023 VS 2030
- Table 2. Global Graphene and 2-D Materials Market Size Growth Rate by Particle Size (US\$ Million), 2019 VS 2023 VS 2030
- Table 3. 1 to 20 Nanometers Major Manufacturers
- Table 4. 1 to 50 Microns Major Manufacturers
- Table 5. Global Graphene and 2-D Materials Market Size Growth Rate by Application (US\$ Million), 2019 VS 2023 VS 2030
- Table 6. Ink & Coatings Major Manufacturers
- Table 7. Composite Materials Major Manufacturers
- Table 8. Electronic Materials Major Manufacturers
- Table 9. Research Institute Major Manufacturers
- Table 10. Graphene and 2-D Materials Industry Trends
- Table 11. Graphene and 2-D Materials Industry Drivers
- Table 12. Graphene and 2-D Materials Industry Opportunities and Challenges
- Table 13. Graphene and 2-D Materials Industry Restraints
- Table 14. Global Graphene and 2-D Materials Production Growth Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (KG)
- Table 15. Global Graphene and 2-D Materials Production by Region (2019-2024) & (KG)
- Table 16. Global Graphene and 2-D Materials Production by Region (2025-2030) & (KG)
- Table 17. Global Graphene and 2-D Materials Production Market Share by Region (2019-2024)
- Table 18. Global Graphene and 2-D Materials Production Market Share by Region (2025-2030)
- Table 19. Global Graphene and 2-D Materials Revenue Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 20. Global Graphene and 2-D Materials Revenue by Region (2019-2024) & (US\$ Million)
- Table 21. Global Graphene and 2-D Materials Revenue by Region (2025-2030) & (US\$ Million)
- Table 22. Global Graphene and 2-D Materials Revenue Market Share by Region (2019-2024)
- Table 23. Global Graphene and 2-D Materials Revenue Market Share by Region

(2025-2030)

Table 24. Global Graphene and 2-D Materials Sales Grow Rate (CAGR) by Region: 2019 VS 2023 VS 2030 (KG)

Table 25. Global Graphene and 2-D Materials Sales by Region (2019-2024) & (KG)

Table 26. Global Graphene and 2-D Materials Sales by Region (2025-2030) & (KG)

Table 27. Global Graphene and 2-D Materials Sales Market Share by Region (2019-2024)

Table 28. Global Graphene and 2-D Materials Sales Market Share by Region (2025-2030)

Table 29. Global Graphene and 2-D Materials Revenue by Manufacturers (US\$ Million) & (2019-2024)

Table 30. Global Graphene and 2-D Materials Revenue Market Share by Manufacturers (2019-2024)

Table 31. Global Graphene and 2-D Materials Sales by Manufacturers (US\$ Million) & (2019-2024)

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

Table 33. Global Graphene and 2-D Materials Sales Price (USD/KG) of Manufacturers (2019-2024)

Table 34. Global Graphene and 2-D Materials Key Manufacturers Ranking, 2022 VS 2023 VS 2024

Table 35. Global Graphene and 2-D Materials Key Manufacturers Manufacturing Sites & Headquarters

Table 36. Global Graphene and 2-D Materials Manufacturers, Product Type & Application

Table 37. Global Graphene and 2-D Materials Manufacturers Commercialization Time

Table 38. Global Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 39. Global Graphene and 2-D Materials by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue of 2023)

Table 40. Global Graphene and 2-D Materials Revenue by Particle Size 2019 VS 2023 VS 2030 (US\$ Million)

Table 41. Global Graphene and 2-D Materials Revenue by Particle Size (2019-2024) & (US\$ Million)

Table 42. Global Graphene and 2-D Materials Revenue by Particle Size (2025-2030) & (US\$ Million)

Table 43. Global Graphene and 2-D Materials Revenue Market Share by Particle Size (2019-2024)

Table 44. Global Graphene and 2-D Materials Revenue Market Share by Particle Size (2025-2030)

Table 45. Global Graphene and 2-D Materials Sales by Particle Size 2019 VS 2023 VS 2030 (KG)

Table 46. Global Graphene and 2-D Materials Sales by Particle Size (2019-2024) & (KG)

Table 47. Global Graphene and 2-D Materials Sales by Particle Size (2025-2030) & (KG)

Table 48. Global Graphene and 2-D Materials Sales Market Share by Particle Size (2019-2024)

Table 49. Global Graphene and 2-D Materials Sales Market Share by Particle Size (2025-2030)

Table 50. Global Graphene and 2-D Materials Price by Particle Size (2019-2024) & (USD/KG)

Table 51. Global Graphene and 2-D Materials Price by Particle Size (2025-2030) & (USD/KG)

Table 52. Global Graphene and 2-D Materials Revenue by Application 2019 VS 2023 VS 2030 (US\$ Million)

Table 53. Global Graphene and 2-D Materials Revenue by Application (2019-2024) & (US\$ Million)

Table 54. Global Graphene and 2-D Materials Revenue by Application (2025-2030) & (US\$ Million)

Table 55. Global Graphene and 2-D Materials Revenue Market Share by Application (2019-2024)

Table 56. Global Graphene and 2-D Materials Revenue Market Share by Application (2025-2030)

Table 57. Global Graphene and 2-D Materials Sales by Application 2019 VS 2023 VS 2030 (KG)

Table 58. Global Graphene and 2-D Materials Sales by Application (2019-2024) & (KG)

Table 59. Global Graphene and 2-D Materials Sales by Application (2025-2030) & (KG)

Table 60. Global Graphene and 2-D Materials Sales Market Share by Application (2019-2024)

Table 61. Global Graphene and 2-D Materials Sales Market Share by Application (2025-2030)

Table 62. Global Graphene and 2-D Materials Price by Application (2019-2024) & (USD/KG)

Table 63. Global Graphene and 2-D Materials Price by Application (2025-2030) & (USD/KG)

Table 64. XG Science Company Information

Table 65. XG Science Business Overview

Table 66. XG Science Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million),

Price (USD/KG) and Gross Margin (2019-2024)

Table 67. XG Science Graphene and 2-D Materials Product Portfolio

Table 68. XG Science Recent Development

Table 69. Angstrom Materials Company Information

Table 70. Angstrom Materials Business Overview

Table 71. Angstrom Materials Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)

Table 72. Angstrom Materials Graphene and 2-D Materials Product Portfolio

Table 73. Angstrom Materials Recent Development

Table 74. Vorbeck Materials Company Information

Table 75. Vorbeck Materials Business Overview

Table 76. Vorbeck Materials Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)

Table 77. Vorbeck Materials Graphene and 2-D Materials Product Portfolio

Table 78. Vorbeck Materials Recent Development

Table 79. Applied Graphene Materials Company Information

Table 80. Applied Graphene Materials Business Overview

Table 81. Applied Graphene Materials Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)

Table 82. Applied Graphene Materials Graphene and 2-D Materials Product Portfolio

Table 83. Applied Graphene Materials Recent Development

Table 84. NanoXplore Company Information

Table 85. NanoXplore Business Overview

Table 86. NanoXplore Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)

Table 87. NanoXplore Graphene and 2-D Materials Product Portfolio

Table 88. NanoXplore Recent Development

Table 89. Huagao Company Information

Table 90. Huagao Business Overview

Table 91. Huagao Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)

Table 92. Huagao Graphene and 2-D Materials Product Portfolio

Table 93. Huagao Recent Development

Table 94. Cambridge Nanosystems Company Information

Table 95. Cambridge Nanosystems Business Overview

Table 96. Cambridge Nanosystems Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)

Table 97. Cambridge Nanosystems Graphene and 2-D Materials Product Portfolio

Table 98. Cambridge Nanosystems Recent Development

- Table 99. Grafen Company Information
- Table 100. Grafen Business Overview
- Table 101. Grafen Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)
- Table 102. Grafen Graphene and 2-D Materials Product Portfolio
- Table 103. Grafen Recent Development
- Table 104. Sixth Element Company Information
- Table 105. Sixth Element Business Overview
- Table 106. Sixth Element Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)
- Table 107. Sixth Element Graphene and 2-D Materials Product Portfolio
- Table 108. Sixth Element Recent Development
- Table 109. Knano Company Information
- Table 110. Knano Business Overview
- Table 111. Knano Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)
- Table 112. Knano Graphene and 2-D Materials Product Portfolio
- Table 113. Knano Recent Development
- Table 114. Morsh Company Information
- Table 115. Morsh Business Overview
- Table 116. Morsh Graphene and 2-D Materials Sales (KG), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2019-2024)
- Table 117. Morsh Graphene and 2-D Materials Product Portfolio
- Table 118. Morsh Recent Development
- Table 119. North America Graphene and 2-D Materials Revenue by Particle Size (2019-2024) & (US\$ Million)
- Table 120. North America Graphene and 2-D Materials Revenue by Particle Size (2025-2030) & (US\$ Million)
- Table 121. North America Graphene and 2-D Materials Sales by Particle Size (2019-2024) & (KG)
- Table 122. North America Graphene and 2-D Materials Sales by Particle Size (2025-2030) & (KG)
- Table 123. North America Graphene and 2-D Materials Sales Price by Particle Size (2019-2024) & (USD/KG)
- Table 124. North America Graphene and 2-D Materials Sales Price by Particle Size (2025-2030) & (USD/KG)
- Table 125. North America Graphene and 2-D Materials Revenue by Application (2019-2024) & (US\$ Million)
- Table 126. North America Graphene and 2-D Materials Revenue by Application

(2025-2030) & (US\$ Million)

Table 127. North America Graphene and 2-D Materials Sales by Application

(2019-2024) & (KG)

Table 128. North America Graphene and 2-D Materials Sales by Application

(2025-2030) & (KG)

Table 129. North America Graphene and 2-D Materials Sales Price by Application

(2019-2024) & (USD/KG)

Table 130. North America Graphene and 2-D Materials Sales Price by Application

(2025-2030) & (USD/KG)

Table 131. North America Graphene and 2-D Materials Revenue Grow Rate by Country

(2019 VS 2023 VS 2030) & (US\$ Million)

Table 132. North America Graphene and 2-D Materials Revenue Grow Rate by Country

(2019-2024) & (US\$ Million)

Table 133. North America Graphene and 2-D Materials Revenue Grow Rate by Country

(2025-2030) & (US\$ Million)

Table 134. North America Graphene and 2-D Materials Sales by Country (2019 VS

2023 VS 2030) & (KG)

Table 135. North America Graphene and 2-D Materials Sales by Country (2019-2024) &

(KG)

Table 136. North America Graphene and 2-D Materials Sales by Country (2025-2030) &

(KG)

Table 137. North America Graphene and 2-D Materials Sales Price by Country

(2019-2024) & (USD/KG)

Table 138. North America Graphene and 2-D Materials Sales Price by Country

(2025-2030) & (USD/KG)

Table 139. U.S. Graphene and 2-D Materials Revenue (2019-2030) & (US\$ Million)

Table 140. Canada Graphene and 2-D Materials Revenue (2019-2030) & (US\$ Million)

Table 141. Europe Graphene and 2-D Materials Revenue by Particle Size (2019-2024)

& (US\$ Million)

Table 142. Europe Graphene and 2-D Materials Revenue by Particle Size (2025-2030)

& (US\$ Million)

Table 143. Europe Graphene and 2-D Materials Sales by Particle Size (2019-2024) &

(KG)

Table 144. Europe Graphene and 2-D Materials Sales by Particle Size (2025-2030) &

(KG)

Table 145. Europe Graphene and 2-D Materials Sales Price by Particle Size

(2019-2024) & (USD/KG)

Table 146. Europe Graphene and 2-D Materials Sales Price by Particle Size

(2025-2030) & (USD/KG)

- Table 147. Europe Graphene and 2-D Materials Revenue by Application (2019-2024) & (US\$ Million)
- Table 148. Europe Graphene and 2-D Materials Revenue by Application (2025-2030) & (US\$ Million)
- Table 149. Europe Graphene and 2-D Materials Sales by Application (2019-2024) & (KG)
- Table 150. Europe Graphene and 2-D Materials Sales by Application (2025-2030) & (KG)
- Table 151. Europe Graphene and 2-D Materials Sales Price by Application (2019-2024) & (USD/KG)
- Table 152. Europe Graphene and 2-D Materials Sales Price by Application (2025-2030) & (USD/KG)
- Table 153. Europe Graphene and 2-D Materials Revenue Grow Rate by Country (2019 VS 2023 VS 2030) & (US\$ Million)
- Table 154. Europe Graphene and 2-D Materials Revenue Grow Rate by Country (2019-2024) & (US\$ Million)
- Table 155. Europe Graphene and 2-D Materials Revenue Grow Rate by Country (2025-2030) & (US\$ Million)
- Table 156. Europe Graphene and 2-D Materials Sales by Country (2019 VS 2023 VS 2030) & (KG)
- Table 157. Europe Graphene and 2-D Materials Sales by Country (2019-2024) & (KG)
- Table 158. Europe Graphene and 2-D Materials Sales by Country (2025-2030) & (KG)
- Table 159. Europe Graphene and 2-D Materials Sales Price by Country (2019-2024) & (USD/KG)
- Table 160. Europe Graphene and 2-D Materials Sales Price by Country (2025-2030) & (USD/KG)
- Table 161. Germany Graphene and 2-D Materials Revenue (2019-2030) & (US\$ Million)
- Table 162. France Graphene and 2-D Materials Revenue (2019-2030) & (US\$ Million)
- Table 163. Graphene and 2-D Materials Revenue (2019-2030) & (US\$ Million)
- Table 164. Graphene and 2-D Materials Revenue (2019-2030) & (US\$ Million)
- Table 165. Graphene and 2-D Materials Revenue (2019-2030) & (US\$ Million)
- Table 166. China Graphene and 2-D Materials Revenue by Particle Size (2019-2024) & (US\$ Million)
- Table 167. China Graphene and 2-D Materials Revenue by Particle Size (2025-2030) & (US\$ Million)
- Table 168. China Graphene and 2-D Materials Sales by Particle Size (2019-2024) & (KG)
- Table 169. China Graphene and 2-D Materials Sales by Particle Size (2025-2030) & (KG)

Table 170. China Graphene and 2-D Materials Sales Price by Particle Size (2019-2024) & (USD/KG)

Table 171. China Graphene and 2-D Materials Sales Price by Particle Size (2025-2030) & (USD/KG)

Table 172. China Graphene and 2-D Materials Revenue by Application (2019-2024) & (US\$ Million)

Table 173. China Graphene and 2-D Materials Revenue by Application (2025-2030) & (US\$ Million)

Table 174. China Graphene and 2-D Materials Sales by Application (2019-2024) & (KG)

Table 175. China Graphene and 2-D Materials Sales by Application (2025-2030) & (KG)

Table 176. China Graphene and 2-D Materials Sales Price by Application (2019-2024) & (USD/KG)

Table 177. China Graphene and 2-D Materials Sales Price by Application (2025-2030) & (USD/KG)

Table 178. Asia Graphene and 2-D Materials Revenue by Particle Size (2019-2024) & (US\$ Million)

Table 179. Asia Graphene and 2-D Materials Revenue by Particle Size (2025-2030) & (US\$ Million)

Table 180. Asia Graphene and 2-D Materials Sales by Particle Size (2019-2024) & (KG)

Table 181. Asia Graphene and 2-D Materials Sales by Particle Size (2025-2030) & (KG)

Table 182. Asia Graphene and 2-D Materials Sales Price by Particle Size (2019-2024) & (USD/KG)

Table 183. Asia Graphene and 2-D Materials Sales Price by Particle Size (2025-2030) & (USD/KG)

Table 184. Asia Graphene and 2-D Materials Revenue by Application (2019-2024) & (US\$ Million)

Table 185. Asia Graphene and 2-D Materials Revenue by Application (2025-2030) & (US\$ Million)

Table 186. Asia Graphene and 2-D Materials Sales by Application (2019-2024) & (KG)

Table 187. Asia Graphene and 2-D Materials Sales by Application (2025-2030) & (KG)

Table 188. Asia Graphene and 2-D Materials Sales Price by Application (2019-2024) & (USD/KG)

Table 189. Asia Graphene and 2-D Materials Sales Price by Application (2025-2030) & (USD/KG)

Table 190. Asia Graphene and 2-D Materials Revenue Grow Rate by Country (2019

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