

2018-2023 Global Graphene and 2-D Materials Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Graphene and 2-D Materials market for 2018-2023.

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 our survey, the sales value global graphene market has reached about 2021.05 K USD in 2015, and is expected to reach 10336.44 K USD by 2021. North America was the largest market of grapheme, in terms of production from 2011 to 2014, according for about 70.62 in 2014. While in 2015, with the downstream demand growth significant in China, the production of graphene has exploded from 484 KG in 2014 to 5540 KG in 2015, which made China replaced USA, be the number one.

Graphene is an emerging industry. The cosmically industrial production is still being studied, most manufacturers begun the first commercial production since 2013. The industry is highly concentration. The leading players in graphene market are XG Science, Angstrom Materials, Vorbeck Materials, Huagao, Sixth Element.

Composites are the biggest application segment of the graphene market, in terms of volume, with the market share of 40.19% in 2015. Graphene when used in composite materials, enhance the conductivity and strength while maintaining the flexibility of the materials. These composites are used in various end-use industries such as aerospace,

automobiles, medical implants, sport equipment and engineering materials, among others.

Over the next five years, LPI(LP Information) projects that Graphene and 2-D Materials will register a xx% CAGR in terms of revenue, reach US\$ xx million by 2023, from US\$ xx million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Graphene and 2-D Materials market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Type I

Type II

Segmentation by application:

Ink & Coatings

Composite Materials

Electronic Materials

Research Institute

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

XG Science

Angstrom Materials

Vorbeck Materials

Applied Graphene Materials

NanoXplore

Huagao

Cambridge Nanosystems

Grafen

Sixth Element

Knano

Morsh

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Graphene and 2-D Materials consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Graphene and 2-D Materials market by identifying its various subsegments.

Focuses on the key global Graphene and 2-D Materials manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Graphene and 2-D Materials with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Graphene and 2-D Materials submarkets, with respect to key regions (along with their respective key countries).

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

To strategically profile the key players and comprehensively analyze their growth strategies.

Contents

1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Research Objectives
- 1.3 Years Considered
- 1.4 Market Research Methodology
- 1.5 Economic Indicators
- 1.6 Currency Considered

2 EXECUTIVE SUMMARY

- 2.1 World Market Overview
 - 2.1.1 Global Graphene and 2-D Materials Consumption 2013-2023
 - 2.1.2 Graphene and 2-D Materials Consumption CAGR by Region
- 2.2 Graphene and 2-D Materials Segment by Type
 - 2.2.1 Type I
 - 2.2.2 Type II
- 2.3 Graphene and 2-D Materials Consumption by Type
 - 2.3.1 Global Graphene and 2-D Materials Consumption Market Share by Type (2013-2018)
 - 2.3.2 Global Graphene and 2-D Materials Revenue and Market Share by Type (2013-2018)
 - 2.3.3 Global Graphene and 2-D Materials Sale Price by Type (2013-2018)
- 2.4 Graphene and 2-D Materials Segment by Application
 - 2.4.1 Ink & Coatings
 - 2.4.2 Composite Materials
 - 2.4.3 Electronic Materials
 - 2.4.4 Research Institute
- 2.5 Graphene and 2-D Materials Consumption by Application
 - 2.5.1 Global Graphene and 2-D Materials Consumption Market Share by Application (2013-2018)
 - 2.5.2 Global Graphene and 2-D Materials Value and Market Share by Application (2013-2018)
 - 2.5.3 Global Graphene and 2-D Materials Sale Price by Application (2013-2018)

3 GLOBAL GRAPHENE AND 2-D MATERIALS BY PLAYERS

- 3.1 Global Graphene and 2-D Materials Sales Market Share by Players
 - 3.1.1 Global Graphene and 2-D Materials Sales by Players (2016-2018)
 - 3.1.2 Global Graphene and 2-D Materials Sales Market Share by Players (2016-2018)
- 3.2 Global Graphene and 2-D Materials Revenue Market Share by Players
 - 3.2.1 Global Graphene and 2-D Materials Revenue by Players (2016-2018)
 - 3.2.2 Global Graphene and 2-D Materials Revenue Market Share by Players (2016-2018)
- 3.3 Global Graphene and 2-D Materials Sale Price by Players
- 3.4 Global Graphene and 2-D Materials Manufacturing Base Distribution, Sales Area, Product Types by Players
 - 3.4.1 Global Graphene and 2-D Materials Manufacturing Base Distribution and Sales Area by Players
 - 3.4.2 Players Graphene and 2-D Materials Products Offered
- 3.5 Market Concentration Rate Analysis
 - 3.5.1 Competition Landscape Analysis
 - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) (2016-2018)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

4 GRAPHENE AND 2-D MATERIALS BY REGIONS

- 4.1 Graphene and 2-D Materials by Regions
 - 4.1.1 Global Graphene and 2-D Materials Consumption by Regions
 - 4.1.2 Global Graphene and 2-D Materials Value by Regions
- 4.2 Americas Graphene and 2-D Materials Consumption Growth
- 4.3 APAC Graphene and 2-D Materials Consumption Growth
- 4.4 Europe Graphene and 2-D Materials Consumption Growth
- 4.5 Middle East & Africa Graphene and 2-D Materials Consumption Growth

5 AMERICAS

- 5.1 Americas Graphene and 2-D Materials Consumption by Countries
 - 5.1.1 Americas Graphene and 2-D Materials Consumption by Countries (2013-2018)
 - 5.1.2 Americas Graphene and 2-D Materials Value by Countries (2013-2018)
- 5.2 Americas Graphene and 2-D Materials Consumption by Type
- 5.3 Americas Graphene and 2-D Materials Consumption by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico

5.7 Key Economic Indicators of Few Americas Countries

6 APAC

6.1 APAC Graphene and 2-D Materials Consumption by Countries

6.1.1 APAC Graphene and 2-D Materials Consumption by Countries (2013-2018)

6.1.2 APAC Graphene and 2-D Materials Value by Countries (2013-2018)

6.2 APAC Graphene and 2-D Materials Consumption by Type

6.3 APAC Graphene and 2-D Materials Consumption by Application

6.4 China

6.5 Japan

6.6 Korea

6.7 Southeast Asia

6.8 India

6.9 Australia

6.10 Key Economic Indicators of Few APAC Countries

7 EUROPE

7.1 Europe Graphene and 2-D Materials by Countries

7.1.1 Europe Graphene and 2-D Materials Consumption by Countries (2013-2018)

7.1.2 Europe Graphene and 2-D Materials Value by Countries (2013-2018)

7.2 Europe Graphene and 2-D Materials Consumption by Type

7.3 Europe Graphene and 2-D Materials Consumption by Application

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

7.9 Spain

7.10 Key Economic Indicators of Few Europe Countries

8 MIDDLE EAST & AFRICA

8.1 Middle East & Africa Graphene and 2-D Materials by Countries

8.1.1 Middle East & Africa Graphene and 2-D Materials Consumption by Countries (2013-2018)

8.1.2 Middle East & Africa Graphene and 2-D Materials Value by Countries (2013-2018)

- 8.2 Middle East & Africa Graphene and 2-D Materials Consumption by Type
- 8.3 Middle East & Africa Graphene and 2-D Materials Consumption by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers and Impact
 - 9.1.1 Growing Demand from Key Regions
 - 9.1.2 Growing Demand from Key Applications and Potential Industries
- 9.2 Market Challenges and Impact
- 9.3 Market Trends

10 MARKETING, DISTRIBUTORS AND CUSTOMER

- 10.1 Sales Channel
 - 10.1.1 Direct Marketing
 - 10.1.2 Indirect Marketing
- 10.2 Graphene and 2-D Materials Distributors
- 10.3 Graphene and 2-D Materials Customer

11 GLOBAL GRAPHENE AND 2-D MATERIALS MARKET FORECAST

- 11.1 Global Graphene and 2-D Materials Consumption Forecast (2018-2023)
- 11.2 Global Graphene and 2-D Materials Forecast by Regions
 - 11.2.1 Global Graphene and 2-D Materials Forecast by Regions (2018-2023)
 - 11.2.2 Global Graphene and 2-D Materials Value Forecast by Regions (2018-2023)
 - 11.2.3 Americas Consumption Forecast
 - 11.2.4 APAC Consumption Forecast
 - 11.2.5 Europe Consumption Forecast
 - 11.2.6 Middle East & Africa Consumption Forecast
- 11.3 Americas Forecast by Countries
 - 11.3.1 United States Market Forecast
 - 11.3.2 Canada Market Forecast
 - 11.3.3 Mexico Market Forecast
 - 11.3.4 Brazil Market Forecast

11.4 APAC Forecast by Countries

- 11.4.1 China Market Forecast
- 11.4.2 Japan Market Forecast
- 11.4.3 Korea Market Forecast
- 11.4.4 Southeast Asia Market Forecast
- 11.4.5 India Market Forecast
- 11.4.6 Australia Market Forecast

11.5 Europe Forecast by Countries

- 11.5.1 Germany Market Forecast
- 11.5.2 France Market Forecast
- 11.5.3 UK Market Forecast
- 11.5.4 Italy Market Forecast
- 11.5.5 Russia Market Forecast
- 11.5.6 Spain Market Forecast

11.6 Middle East & Africa Forecast by Countries

- 11.6.1 Egypt Market Forecast
- 11.6.2 South Africa Market Forecast
- 11.6.3 Israel Market Forecast
- 11.6.4 Turkey Market Forecast
- 11.6.5 GCC Countries Market Forecast

11.7 Global Graphene and 2-D Materials Forecast by Type

11.8 Global Graphene and 2-D Materials Forecast by Application

12 KEY PLAYERS ANALYSIS

12.1 XG Science

- 12.1.1 Company Details
- 12.1.2 Graphene and 2-D Materials Product Offered
- 12.1.3 XG Science Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)
- 12.1.4 Main Business Overview
- 12.1.5 XG Science News

12.2 Angstrom Materials

- 12.2.1 Company Details
- 12.2.2 Graphene and 2-D Materials Product Offered
- 12.2.3 Angstrom Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)
- 12.2.4 Main Business Overview
- 12.2.5 Angstrom Materials News

12.3 Vorbeck Materials

12.3.1 Company Details

12.3.2 Graphene and 2-D Materials Product Offered

12.3.3 Vorbeck Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

12.3.4 Main Business Overview

12.3.5 Vorbeck Materials News

12.4 Applied Graphene Materials

12.4.1 Company Details

12.4.2 Graphene and 2-D Materials Product Offered

12.4.3 Applied Graphene Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

12.4.4 Main Business Overview

12.4.5 Applied Graphene Materials News

12.5 NanoXplore

12.5.1 Company Details

12.5.2 Graphene and 2-D Materials Product Offered

12.5.3 NanoXplore Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

12.5.4 Main Business Overview

12.5.5 NanoXplore News

12.6 Huagao

12.6.1 Company Details

12.6.2 Graphene and 2-D Materials Product Offered

12.6.3 Huagao Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

12.6.4 Main Business Overview

12.6.5 Huagao News

12.7 Cambridge Nanosystems

12.7.1 Company Details

12.7.2 Graphene and 2-D Materials Product Offered

12.7.3 Cambridge Nanosystems Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

12.7.4 Main Business Overview

12.7.5 Cambridge Nanosystems News

12.8 Grafen

12.8.1 Company Details

12.8.2 Graphene and 2-D Materials Product Offered

12.8.3 Grafen Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin

(2016-2018)

12.8.4 Main Business Overview

12.8.5 Grafen News

12.9 Sixth Element

12.9.1 Company Details

12.9.2 Graphene and 2-D Materials Product Offered

12.9.3 Sixth Element Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

12.9.4 Main Business Overview

12.9.5 Sixth Element News

12.10 Knano

12.10.1 Company Details

12.10.2 Graphene and 2-D Materials Product Offered

12.10.3 Knano Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin

(2016-2018)

12.10.4 Main Business Overview

12.10.5 Knano News

12.11 Morsh

13 RESEARCH FINDINGS AND CONCLUSION

List Of Tables

LIST OF TABLES AND FIGURES

Figure Picture of Graphene and 2-D Materials

Table Product Specifications of Graphene and 2-D Materials

Figure Graphene and 2-D Materials Report Years Considered

Figure Market Research Methodology

Figure Global Graphene and 2-D Materials Consumption Growth Rate 2013-2023 (KG)

Figure Global Graphene and 2-D Materials Value Growth Rate 2013-2023 (\$ Millions)

Table Graphene and 2-D Materials Consumption CAGR by Region 2013-2023 (\$ Millions)

Figure Product Picture of Type I

Table Major Players of Type I

Figure Product Picture of Type II

Table Major Players of Type II

Table Global Consumption Sales by Type (2013-2018)

Table Global Graphene and 2-D Materials Consumption Market Share by Type (2013-2018)

Figure Global Graphene and 2-D Materials Consumption Market Share by Type (2013-2018)

Table Global Graphene and 2-D Materials Revenue by Type (2013-2018) (\$ million)

Table Global Graphene and 2-D Materials Value Market Share by Type (2013-2018) (\$ Millions)

Figure Global Graphene and 2-D Materials Value Market Share by Type (2013-2018)

Table Global Graphene and 2-D Materials Sale Price by Type (2013-2018)

Figure Graphene and 2-D Materials Consumed in Ink & Coatings

Figure Global Graphene and 2-D Materials Market: Ink & Coatings (2013-2018) (KG)

Figure Global Graphene and 2-D Materials Market: Ink & Coatings (2013-2018) (\$ Millions)

Figure Global Ink & Coatings YoY Growth (\$ Millions)

Figure Graphene and 2-D Materials Consumed in Composite Materials

Figure Global Graphene and 2-D Materials Market: Composite Materials (2013-2018) (KG)

Figure Global Graphene and 2-D Materials Market: Composite Materials (2013-2018) (\$ Millions)

Figure Global Composite Materials YoY Growth (\$ Millions)

Figure Graphene and 2-D Materials Consumed in Electronic Materials

Figure Global Graphene and 2-D Materials Market: Electronic Materials (2013-2018)

(KG)

Figure Global Graphene and 2-D Materials Market: Electronic Materials (2013-2018) (\$ Millions)

Figure Global Electronic Materials YoY Growth (\$ Millions)

Figure Graphene and 2-D Materials Consumed in Research Institute

Figure Global Graphene and 2-D Materials Market: Research Institute (2013-2018) (KG)

Figure Global Graphene and 2-D Materials Market: Research Institute (2013-2018) (\$ Millions)

Figure Global Research Institute YoY Growth (\$ Millions)

Table Global Consumption Sales by Application (2013-2018)

Table Global Graphene and 2-D Materials Consumption Market Share by Application (2013-2018)

Figure Global Graphene and 2-D Materials Consumption Market Share by Application (2013-2018)

Table Global Graphene and 2-D Materials Value by Application (2013-2018)

Table Global Graphene and 2-D Materials Value Market Share by Application (2013-2018)

Figure Global Graphene and 2-D Materials Value Market Share by Application (2013-2018)

Table Global Graphene and 2-D Materials Sale Price by Application (2013-2018)

Table Global Graphene and 2-D Materials Sales by Players (2016-2018) (KG)

Table Global Graphene and 2-D Materials Sales Market Share by Players (2016-2018)

Figure Global Graphene and 2-D Materials Sales Market Share by Players in 2016

Figure Global Graphene and 2-D Materials Sales Market Share by Players in 2017

Table Global Graphene and 2-D Materials Revenue by Players (2016-2018) (\$ Millions)

Table Global Graphene and 2-D Materials Revenue Market Share by Players (2016-2018)

Figure Global Graphene and 2-D Materials Revenue Market Share by Players in 2016

Figure Global Graphene and 2-D Materials Revenue Market Share by Players in 2017

Table Global Graphene and 2-D Materials Sale Price by Players (2016-2018)

Figure Global Graphene and 2-D Materials Sale Price by Players in 2017

Table Global Graphene and 2-D Materials Manufacturing Base Distribution and Sales Area by Players

Table Players Graphene and 2-D Materials Products Offered

Table Graphene and 2-D Materials Concentration Ratio (CR3, CR5 and CR10) (2016-2018)

Table Global Graphene and 2-D Materials Consumption by Regions 2013-2018 (KG)

Table Global Graphene and 2-D Materials Consumption Market Share by Regions 2013-2018

Figure Global Graphene and 2-D Materials Consumption Market Share by Regions 2013-2018

Table Global Graphene and 2-D Materials Value by Regions 2013-2018 (\$ Millions)

Table Global Graphene and 2-D Materials Value Market Share by Regions 2013-2018

Figure Global Graphene and 2-D Materials Value Market Share by Regions 2013-2018

Figure Americas Graphene and 2-D Materials Consumption 2013-2018 (KG)

Figure Americas Graphene and 2-D Materials Value 2013-2018 (\$ Millions)

Figure APAC Graphene and 2-D Materials Consumption 2013-2018 (KG)

Figure APAC Graphene and 2-D Materials Value 2013-2018 (\$ Millions)

Figure Europe Graphene and 2-D Materials Consumption 2013-2018 (KG)

Figure Europe Graphene and 2-D Materials Value 2013-2018 (\$ Millions)

Figure Middle East & Africa Graphene and 2-D Materials Consumption 2013-2018 (KG)

Figure Middle East & Africa Graphene and 2-D Materials Value 2013-2018 (\$ Millions)

Table Americas Graphene and 2-D Materials Consumption by Countries (2013-2018) (KG)

Table Americas Graphene and 2-D Materials Consumption Market Share by Countries (2013-2018)

Figure Americas Graphene and 2-D Materials Consumption Market Share by Countries in 2017

Table Americas Graphene and 2-D Materials Value by Countries (2013-2018) (\$ Millions)

Table Americas Graphene and 2-D Materials Value Market Share by Countries (2013-2018)

Figure Americas Graphene and 2-D Materials Value Market Share by Countries in 2017

Table Americas Graphene and 2-D Materials Consumption by Type (2013-2018) (KG)

Table Americas Graphene and 2-D Materials Consumption Market Share by Type (2013-2018)

Figure Americas Graphene and 2-D Materials Consumption Market Share by Type in 2017

Table Americas Graphene and 2-D Materials Consumption by Application (2013-2018) (KG)

Table Americas Graphene and 2-D Materials Consumption Market Share by Application (2013-2018)

Figure Americas Graphene and 2-D Materials Consumption Market Share by Application in 2017

Figure United States Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure United States Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Canada Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Canada Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Mexico Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Mexico Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Table APAC Graphene and 2-D Materials Consumption by Countries (2013-2018) (KG)

Table APAC Graphene and 2-D Materials Consumption Market Share by Countries (2013-2018)

Figure APAC Graphene and 2-D Materials Consumption Market Share by Countries in 2017

Table APAC Graphene and 2-D Materials Value by Countries (2013-2018) (\$ Millions)

Table APAC Graphene and 2-D Materials Value Market Share by Countries (2013-2018)

Figure APAC Graphene and 2-D Materials Value Market Share by Countries in 2017

Table APAC Graphene and 2-D Materials Consumption by Type (2013-2018) (KG)

Table APAC Graphene and 2-D Materials Consumption Market Share by Type (2013-2018)

Figure APAC Graphene and 2-D Materials Consumption Market Share by Type in 2017

Table APAC Graphene and 2-D Materials Consumption by Application (2013-2018) (KG)

Table APAC Graphene and 2-D Materials Consumption Market Share by Application (2013-2018)

Figure APAC Graphene and 2-D Materials Consumption Market Share by Application in 2017

Figure China Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure China Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Japan Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Japan Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Korea Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Korea Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Southeast Asia Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Southeast Asia Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure India Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure India Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Australia Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Australia Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Table Europe Graphene and 2-D Materials Consumption by Countries (2013-2018) (KG)

Table Europe Graphene and 2-D Materials Consumption Market Share by Countries

(2013-2018)

Figure Europe Graphene and 2-D Materials Consumption Market Share by Countries in 2017

Table Europe Graphene and 2-D Materials Value by Countries (2013-2018) (\$ Millions)

Table Europe Graphene and 2-D Materials Value Market Share by Countries (2013-2018)

Figure Europe Graphene and 2-D Materials Value Market Share by Countries in 2017

Table Europe Graphene and 2-D Materials Consumption by Type (2013-2018) (KG)

Table Europe Graphene and 2-D Materials Consumption Market Share by Type (2013-2018)

Figure Europe Graphene and 2-D Materials Consumption Market Share by Type in 2017

Table Europe Graphene and 2-D Materials Consumption by Application (2013-2018) (KG)

Table Europe Graphene and 2-D Materials Consumption Market Share by Application (2013-2018)

Figure Europe Graphene and 2-D Materials Consumption Market Share by Application in 2017

Figure Germany Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Germany Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure France Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure France Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure UK Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure UK Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Italy Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Italy Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Russia Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Russia Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Spain Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Spain Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Table Middle East & Africa Graphene and 2-D Materials Consumption by Countries (2013-2018) (KG)

Table Middle East & Africa Graphene and 2-D Materials Consumption Market Share by Countries (2013-2018)

Figure Middle East & Africa Graphene and 2-D Materials Consumption Market Share by Countries in 2017

Table Middle East & Africa Graphene and 2-D Materials Value by Countries (2013-2018) (\$ Millions)

Table Middle East & Africa Graphene and 2-D Materials Value Market Share by

Countries (2013-2018)

Figure Middle East & Africa Graphene and 2-D Materials Value Market Share by Countries in 2017

Table Middle East & Africa Graphene and 2-D Materials Consumption by Type (2013-2018) (KG)

Table Middle East & Africa Graphene and 2-D Materials Consumption Market Share by Type (2013-2018)

Figure Middle East & Africa Graphene and 2-D Materials Consumption Market Share by Type in 2017

Table Middle East & Africa Graphene and 2-D Materials Consumption by Application (2013-2018) (KG)

Table Middle East & Africa Graphene and 2-D Materials Consumption Market Share by Application (2013-2018)

Figure Middle East & Africa Graphene and 2-D Materials Consumption Market Share by Application in 2017

Figure Egypt Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Egypt Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure South Africa Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure South Africa Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Israel Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Israel Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure Turkey Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure Turkey Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Figure GCC Countries Graphene and 2-D Materials Consumption Growth 2013-2018 (KG)

Figure GCC Countries Graphene and 2-D Materials Value Growth 2013-2018 (\$ Millions)

Table Graphene and 2-D Materials Distributors List

Table Graphene and 2-D Materials Customer List

Figure Global Graphene and 2-D Materials Consumption Growth Rate Forecast (2018-2023) (KG)

Figure Global Graphene and 2-D Materials Value Growth Rate Forecast (2018-2023) (\$ Millions)

Table Global Graphene and 2-D Materials Consumption Forecast by Countries (2018-2023) (KG)

Table Global Graphene and 2-D Materials Consumption Market Forecast by Regions

Table Global Graphene and 2-D Materials Value Forecast by Countries (2018-2023) (\$ Millions)

Table Global Graphene and 2-D Materials Value Market Share Forecast by Regions

Figure Americas Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Americas Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure APAC Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure APAC Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Europe Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Europe Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Middle East & Africa Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Middle East & Africa Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure United States Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure United States Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Canada Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Canada Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Mexico Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Mexico Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Brazil Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Brazil Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure China Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure China Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Japan Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Japan Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Korea Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Korea Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Southeast Asia Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Southeast Asia Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure India Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure India Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Australia Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Australia Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Germany Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Germany Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure France Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure France Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure UK Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure UK Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Italy Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Italy Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Russia Graphene and 2-D Materials Consumption 2018-2023 (KG)
Figure Russia Graphene and 2-D Materials Value 2018-2023 (\$ Millions)
Figure Spain Graphene and 2-D Materials Consumption 2018-2023 (KG)

Figure Spain Graphene and 2-D Materials Value 2018-2023 (\$ Millions)

Figure Egypt Graphene and 2-D Materials Consumption 2018-2023 (KG)

Figure Egypt Graphene and 2-D Materials Value 2018-2023 (\$ Millions)

Figure South Africa Graphene and 2-D Materials Consumption 2018-2023 (KG)

Figure South Africa Graphene and 2-D Materials Value 2018-2023 (\$ Millions)

Figure Israel Graphene and 2-D Materials Consumption 2018-2023 (KG)

Figure Israel Graphene and 2-D Materials Value 2018-2023 (\$ Millions)

Figure Turkey Graphene and 2-D Materials Consumption 2018-2023 (KG)

Figure Turkey Graphene and 2-D Materials Value 2018-2023 (\$ Millions)

Figure GCC Countries Graphene and 2-D Materials Consumption 2018-2023 (KG)

Figure GCC Countries Graphene and 2-D Materials Value 2018-2023 (\$ Millions)

Table Global Graphene and 2-D Materials Consumption Forecast by Type (2018-2023) (KG)

Table Global Graphene and 2-D Materials Consumption Market Share Forecast by Type (2018-2023)

Table Global Graphene and 2-D Materials Value Forecast by Type (2018-2023) (\$ Millions)

Table Global Graphene and 2-D Materials Value Market Share Forecast by Type (2018-2023)

Table Global Graphene and 2-D Materials Consumption Forecast by Application (2018-2023) (KG)

Table Global Graphene and 2-D Materials Consumption Market Share Forecast by Application (2018-2023)

Table Global Graphene and 2-D Materials Value Forecast by Application (2018-2023) (\$ Millions)

Table Global Graphene and 2-D Materials Value Market Share Forecast by Application (2018-2023)

Table XG Science Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table XG Science Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure XG Science Graphene and 2-D Materials Market Share (2016-2018)

Table Angstrom Materials Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Angstrom Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Angstrom Materials Graphene and 2-D Materials Market Share (2016-2018)

Table Vorbeck Materials Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Vorbeck Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Vorbeck Materials Graphene and 2-D Materials Market Share (2016-2018)

Table Applied Graphene Materials Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Applied Graphene Materials Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Applied Graphene Materials Graphene and 2-D Materials Market Share (2016-2018)

Table NanoXplore Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table NanoXplore Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure NanoXplore Graphene and 2-D Materials Market Share (2016-2018)

Table Huagao Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Huagao Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Huagao Graphene and 2-D Materials Market Share (2016-2018)

Table Cambridge Nanosystems Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Cambridge Nanosystems Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Cambridge Nanosystems Graphene and 2-D Materials Market Share (2016-2018)

Table Grafen Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Grafen Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Grafen Graphene and 2-D Materials Market Share (2016-2018)

Table Sixth Element Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Sixth Element Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Sixth Element Graphene and 2-D Materials Market Share (2016-2018)

Table Knano Basic Information, Manufacturing Base, Sales Area and Its Competitors

Table Knano Graphene and 2-D Materials Sales, Revenue, Price and Gross Margin (2016-2018)

Figure Knano Graphene and 2-D Materials Market Share (2016-2018)

Table Morsh Basic Information, Manufacturing Base, Sales Area and Its Competitors

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