

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Graphene and 2-D Materials Market 2018, Forecast to 2023

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Abstracts

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.

Scope of the Report:

This report focuses on the Graphene and 2-D Materials in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application. 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.

The worldwide market for Graphene and 2-D Materials is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

XG Science

Angstrom Materials

Vorbeck Materials

Applied Graphene Materials

NanoXplore

Huagao

Cambridge Nanosystems

Grafen

Sixth Element

Knano

Morsh

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Type I

Type II

Market Segment by Applications, can be divided into

Ink & Coatings

Composite Materials

Electronic Materials

Research Institute

There are 15 Chapters to deeply display the global Graphene and 2-D Materials market. Chapter 1, to describe Graphene and 2-D Materials Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Graphene and 2-D Materials, with sales, revenue, and price of Graphene and 2-D Materials, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Graphene and 2-D Materials, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Graphene and 2-D Materials market forecast, by regions, type and

application, with sales and revenue, from 2018 to 2023;
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distributors, traders, dealers, Research Findings and Conclusion, appendix and data
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