

Graphene Nanoplatelets Market Analysis By Application (Composites, Energy & Power, Conductive Inks & Coatings), By Region (North America, Europe, Asia Pacific) And Segment Forecasts, 2014 - 2025

<https://marketpublishers.com/r/G3F6AC0F3F8EN.html>

Date: September 2017

Pages: 90

Price: US\$ 5,950.00 (Single User License)

ID: G3F6AC0F3F8EN

Abstracts

The global graphene nanoplatelets market is expected to reach USD 206.0 million by 2025, according to a report by Grand View Research, Inc. The rising demand for lightweight composite materials in numerous end-user industries is expected to propel the market growth.

The product has unique mechanical properties including high tensile strength, surface hardness, and stiffness. Layered composition of the particles imparts superior thermal and electrical properties of the product as compared to conventional carbon compounds. Furthermore, the unique platelet morphology of these nanomaterials leads to improved barrier properties. Therefore, nano-dimensional size, material composition, and thermal & electrical conductivity encourage their usage in composites, energy & power, conductive inks & coatings, and lubricants.

Enhanced toughness, scratch resistance, and abrasion resistance have fueled the usage of the product in composites. Composites based on graphene nanoplatelets are experiencing surging demand in the automotive, aerospace, and construction industries. The growing demand for advanced composite materials in several end-user industries is anticipated to propel the market growth over the forecast period.

North America held the largest share of the global market in 2016 owing to significant demand for high-performance composites and sustainable energy & power storage system. Considerable presence of various aircraft and automotive manufacturers has

boosted the demand in the U.S. over the past few years. Asia Pacific is projected to witness spurring demand for graphene nanoplatelets over the forecast period. Supportive governmental policies in countries including China and India are expected to favor the market growth in Asia Pacific.

Further key findings from the report suggest:

The global graphene nanoplatelets market was valued at USD 11.9 million in 2016 and is expected to grow at a robust CAGR of 37.6% from 2017 to 2025, driven by the increasing consumption in key end-use verticals such as aerospace and energy & power

Advantageous features including electrical conductivity, thermal stability, and increased stiffness have encouraged the consumption of the product in various applications

Composites application segment is expected to dominate the global market owing to significant demand in the aerospace & defense, automotive, and construction sectors

In terms of revenue, the composites segment accounted for around 31% share of the global market in 2016 followed by energy & power

Energy & power is predicted to be the fastest-growing application segment of the global market owing to increased use of graphene nanoplatelets in lithium-ion batteries, lead batteries, and ultracapacitors

In terms of revenue, North America held the largest share of the global market in 2016 owing to significant demand in developed countries such as the U.S. and Canada

Asia Pacific is estimated to dominate the global market by 2025, surpassing North America. Prospective industrial growth in countries including China, India, and Japan are likely to attribute to the rapid growth in the Asia Pacific region.

Key players include XG Sciences, Inc.; ACS Materials LLC; CVD Equipment Corporation.; Angstrom Material Inc.; and Group NanoXplore Inc. The market is fragmented in nature owing to the presence of numerous small and medium-scale producers.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Research methodology
- 1.2. Research scope & assumptions
- 1.3. List of data sources
- 1.4. List of abbreviations

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market snapshot

CHAPTER 3. GRAPHENE NANOPATELETS MARKET VARIABLES, TRENDS, AND SCOPE

- 3.1. Market segmentation & scope
- 3.2. Penetration & growth prospect mapping
- 3.3. Value chain analysis
- 3.4. Raw material outlook
- 3.5. Regulatory framework
- 3.6. Technology outlook
- 3.7. Market dynamics
 - 3.7.1. Market driver analysis
 - 3.7.2. Market restraint analysis
- 3.8. Porter's five forces analysis
- 3.9. PESTEL Analysis

CHAPTER 4. GRAPHENE NANOPATELETS MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

- 4.1. Application movement analysis & market share, 2016 & 2025
- 4.2. Composites (Kilograms, USD Thousand)
 - 4.2.1. Market estimates and forecasts, 2014 - 2025
 - 4.2.2. Market estimates and forecasts, by region, 2014 - 2025
- 4.3. Energy & power (Kilograms, USD Thousand)
 - 4.3.1. Market estimates and forecast, 2014 - 2025
 - 4.3.2. Market estimates and forecast, by region, 2014 - 2025
- 4.4. Conductive inks & coatings (Kilograms, USD Thousand)

- 4.4.1. Market estimates and forecast, 2014 - 2025
- 4.4.2. Market estimates and forecast, by region, 2014 - 2025
- 4.5. Others (Kilograms, USD Thousand)
 - 4.5.1. Market estimates and forecast, 2014 - 2025
 - 4.5.2. Market estimates and forecast, by region, 2014 - 2025

CHAPTER 5. GRAPHENE NANOPATELETS MARKET: REGIONAL OUTLOOK

- 5.1. Region movement analysis & market share, 2016 & 2025
- 5.2. North America (Kilograms, USD Thousand)
 - 5.2.1. Market estimates and forecast, 2014 - 2025
 - 5.2.2. Market estimates and forecast by application, 2014 - 2025
 - 5.2.3. U.S. (Kilograms, USD Thousand)
 - 5.2.3.1. Market estimates and forecast, 2014 - 2025
 - 5.2.3.2. Market estimates and forecast by application, 2014 - 2025
- 5.3. Europe (Kilograms, USD Thousand)
 - 5.3.1. Market estimates and forecast, 2014 - 2025
 - 5.3.2. Market estimates and forecast by application, 2014 - 2025
 - 5.3.3. UK (Kilograms, USD Thousand)
 - 5.3.3.1. Market estimates and forecast, 2014 - 2025
 - 5.3.3.2. Market estimates and forecast by application, 2014 - 2025
 - 5.3.4. Spain (Kilograms, USD Thousand)
 - 5.3.4.1. Market estimates and forecast, 2014 - 2025
 - 5.3.4.2. Market estimates and forecast by application, 2014 - 2025
- 5.4. Asia Pacific (Kilograms, USD Thousand)
 - 5.4.1. Market estimates and forecast, 2014 - 2025
 - 5.4.2. Market estimates and forecast by application, 2014 - 2025
 - 5.4.3. China (Kilograms, USD Thousand)
 - 5.4.3.1. Market estimates and forecast, 2014 - 2025
 - 5.4.3.2. Market estimates and forecast by application, 2014 - 2025
 - 5.4.4. India (Kilograms, USD Thousand)
 - 5.4.4.1. Market estimates and forecast, 2014 - 2025
 - 5.4.4.2. Market estimates and forecast by application, 2014 - 2025
- 5.5. Rest of the World (Kilograms, USD Thousand)
 - 5.5.1. Market estimates and forecast, 2014 - 2025
 - 5.5.2. Market estimates and forecast by application, 2014 - 2025

CHAPTER 6. COMPETITIVE LANDSCAPE

- 6.1. Vendor landscape
- 6.2. Competitive environment
- 6.3. Company market positioning
- 6.4. Strategy framework

CHAPTER 7. COMPANY PROFILES

- 7.1. CVD Equipment Corporation
 - 7.1.1. Company overview
 - 7.1.2. Financial performance
 - 7.1.3. Product benchmarking
 - 7.1.4. Strategic initiatives
- 7.2. Angstrom Materials Inc.
 - 7.2.1. Company overview
 - 7.2.2. Financial performance
 - 7.2.3. Product benchmarking
 - 7.2.4. Strategic initiatives
- 7.3. XG Sciences Inc.
 - 7.3.1. Company overview
 - 7.3.2. Financial performance
 - 7.3.3. Product benchmarking
 - 7.3.4. Strategic initiatives
- 7.4. ACS Materials LLC
 - 7.4.1. Company overview
 - 7.4.2. Financial performance
 - 7.4.3. Product benchmarking
 - 7.4.4. Strategic initiatives
- 7.5. Group NanoXplore Inc.
 - 7.5.1. Company overview
 - 7.5.2. Financial performance
 - 7.5.3. Product benchmarking
 - 7.5.4. Strategic initiatives
- 7.6. Thomas Swan & Co. Ltd.
 - 7.6.1. Company overview
 - 7.6.2. Financial performance
 - 7.6.3. Product benchmarking
 - 7.6.4. Strategic initiatives
- 7.7. Directa Plus PLC
 - 7.7.1. Company overview

- 7.7.2. Financial performance
- 7.7.3. Product benchmarking
- 7.7.4. Strategic initiatives
- 7.8. Graphene Laboratories Inc.
 - 7.8.1. Company overview
 - 7.8.2. Financial performance
 - 7.8.3. Product benchmarking
 - 7.8.4. Strategic initiatives
- 7.9. Xiamen Knano Graphene Technology Co. Ltd.
 - 7.9.1. Company overview
 - 7.9.2. Financial performance
 - 7.9.3. Product benchmarking
 - 7.9.4. Strategic initiatives
- 7.10. Haydale Graphene Industries Inc.
 - 7.10.1. Company overview
 - 7.10.2. Financial performance
 - 7.10.3. Product benchmarking
 - 7.10.4. Strategic initiatives
- 7.11. Applied Graphene Materials Inc.
 - 7.11.1. Company overview
 - 7.11.2. Financial performance
 - 7.11.3. Product benchmarking
 - 7.11.4. Strategic initiatives
- 7.12. Cambridge Nanosystems Ltd.
 - 7.12.1. Company overview
 - 7.12.2. Financial performance
 - 7.12.3. Product benchmarking
 - 7.12.4. Strategic initiatives
- 7.13. Strem Chemicals, Inc.
 - 7.13.1. Company overview
 - 7.13.2. Financial performance
 - 7.13.3. Product benchmarking
 - 7.13.4. Strategic initiatives

List Of Tables

LIST OF TABLES

1. COMPARISON BETWEEN GRAPHENE NANOPLATELETS & CARBON NANOTUBE
2. GLOBAL GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECASTS IN COMPOSITES, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
3. GLOBAL GRAPHENE NANOPLATELETS MARKET VOLUME IN COMPOSITES, BY REGION, 2014 - 2025 (KILOGRAMS)
4. GLOBAL GRAPHENE NANOPLATELETS MARKET REVENUE IN COMPOSITES, BY REGION, 2014 - 2025 (USD THOUSAND)
5. GLOBAL GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECASTS IN ENERGY & POWER, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
6. GLOBAL GRAPHENE NANOPLATELETS MARKET VOLUME IN ENERGY & POWER, BY REGION, 2014 - 2025 (KILOGRAMS)
7. GLOBAL GRAPHENE NANOPLATELETS MARKET REVENUE IN ENERGY & POWER, BY REGION, 2014 - 2025 (USD THOUSAND)
8. GLOBAL GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECASTS IN CONDUCTIVE INKS & COATINGS, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
9. GLOBAL GRAPHENE NANOPLATELETS MARKET VOLUME IN CONDUCTIVE INKS & COATINGS, BY REGION, 2014 - 2025 (KILOGRAMS)
10. GLOBAL GRAPHENE NANOPLATELETS MARKET REVENUE IN CONDUCTIVE INKS & COATINGS, BY REGION, 2014 - 2025 (USD THOUSAND)
11. GLOBAL GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECASTS IN OTHERS, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
12. GLOBAL GRAPHENE NANOPLATELETS MARKET VOLUME IN OTHERS, BY REGION, 2014 - 2025 (KILOGRAMS)
13. GLOBAL GRAPHENE NANOPLATELETS MARKET REVENUE IN OTHERS, BY REGION, 2014 - 2025 (USD THOUSAND)
14. NORTH AMERICA GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
15. NORTH AMERICA GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
16. NORTH AMERICA GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)
17. U.S. GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)

18. U.S. GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
19. U.S. GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)
20. EUROPE GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
21. EUROPE GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
22. EUROPE GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)
23. UK GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
24. UK GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
25. UK GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)
26. SPAIN GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
27. SPAIN GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
28. SPAIN GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)
29. ASIA PACIFIC GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
30. ASIA PACIFIC GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
31. ASIA PACIFIC GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)
32. CHINA GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
33. CHINA GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
34. CHINA GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)
35. INDIA GRAPHENE NANOPLATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)
36. INDIA GRAPHENE NANOPLATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)
37. INDIA GRAPHENE NANOPLATELETS MARKET REVENUE, BY APPLICATION,

2014 - 2025 (USD THOUSAND)

38. REST OF THE WORLD GRAPHENE NANOPATELETS MARKET ESTIMATES AND FORECAST, 2014 - 2025 (KILOGRAMS) (USD THOUSAND)

39. REST OF THE WORLD GRAPHENE NANOPATELETS MARKET VOLUME, BY APPLICATION, 2014 - 2025 (KILOGRAMS)

40. REST OF THE WORLD GRAPHENE NANOPATELETS MARKET REVENUE, BY APPLICATION, 2014 - 2025 (USD THOUSAND)

List Of Figures

LIST OF FIGURES

1. MARKET SEGMENTATION & SCOPE
2. PENETRATION & GROWTH PROSPECT MAPPING
3. VALUE CHAIN ANALYSIS
4. GLOBAL PRODUCTION OF GRAPHITE BY COUNTRY, 2016 (KILO TONS)
5. MARKET DYNAMICS
6. MARKET DRIVER RELEVANCE ANALYSIS (CURRENT & FUTURE IMPACT)
7. MARKET RESTRAINT RELEVANCE ANALYSIS (CURRENT & FUTURE IMPACT)
8. PORTER'S ANALYSIS
9. PESTEL ANALYSIS
10. PENETRATION & GROWTH PROSPECT MAPPING
11. APPLICATION MOVEMENT ANALYSIS, 2016 & 2025 (%)
12. REGION MOVEMENT ANALYSIS, 2016 & 2025 (%)

I would like to order

Product name: Graphene Nanoplatelets Market Analysis By Application (Composites, Energy & Power, Conductive Inks & Coatings), By Region (North America, Europe, Asia Pacific) And Segment Forecasts, 2014 - 2025

Product link: <https://marketpublishers.com/r/G3F6AC0F3F8EN.html>

Price: US\$ 5,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G3F6AC0F3F8EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970