

Global Graphene Market Forecasts to 2021, Segmentation by Growth Factors, Types and Feasible Applications

In the Graphene market report, major end-user sectors are analyzed eg Electronics, Biomedical & Healthcare, Paints & coatings, Energy, Defense, 3D printing etc.

DALLAS, TEXAS, USA, March 8, 2017 /EINPresswire.com/ -- Graphene is an allotrope of carbon that has one-atom-thick layer of carbon atoms arranged in a hexagonal lattice. It is the building-block of other allotropes like graphite (used in pencil tips), charcoal, fullerene, and carbon nanotubes. It is one the thinnest and strongest materials on earth.

Graphene, owing to its numerous properties such as highest ratio of edge atoms, conduction of heat & electricity, structural stability, high opacity for atomic monolayer in vacuum etc. is an integral part of various industrial and commercial sectors.

In the Graphene market report, we have taken into account its major end-user sectors, such as; Electronics, Biomedical & Healthcare, Paints & coatings, Energy, Defense, 3D printing etc. The electronics segment accounted for more than xx.xx% share of the global market in 2015.

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The market is driven by factors like rising number of graphene producers and sharp rise in the use of touch screens, to name a few. However, this market faces certain drawbacks such as high production cost and hurdles in mass production. These factors may act as a roadblock to the growth of the market.

The [Global Graphene Market](#) has been estimated at USD XX.XX million in 2015 and is projected to reach USD XX.XX million by 2020, at a CAGR of XX% during the forecast period from (2017 - 2022).



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On the Basis of Type, the Global Graphene Market, can be broadly segmented into:

- Mono Layer & Bilayer Sheets
- Few Layer Graphene (FLG)
- Nanoribbons,
- Platelets,
- Films,
- Graphene Oxide Flakes And Others

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On the Basis of End-User Industry, the market is divided into:

1. Electronics,
2. Biomedical & Healthcare,
3. Paints & Coatings,
4. Energy,
5. Defense,
6. Composites,
7. 3D Printing,
8. Adhesives,
9. Aerospace,
10. Automotive,
11. Catalysts,
12. Lubricants,
13. Oil & Gas,
14. Packaging And Water Filtration Industries etc

These are again sub-divided based on their applications in the particular industries. For example, the electronics industry is sub-categorized based on application into; ultra-small transistors & ICs, dense data storage, touch screens, wearable electronics, conductive inks, opto electronics & photo sensors. Among all the segments, the electronics industry is expected to register the fastest growth in the forecast period with a CAGR of xx.xx % owing to the growing demand for printed electronics.

The market has also been geographically segmented into Asia-Pacific, North America, Europe, South America, and Middle-East and Africa. In terms of consumption in 2015, APAC led the market with a share of XX%. It was followed by Europe and North America. A sharp rise in the use of graphene for bio-medical purposes in Asia-Pacific have made this region an area of immense potential and opportunities.

The market eyes sharp growth due to opportunities such as rising cross-industry collaboration in

the technologically advanced countries. The increasing number of patents for graphene are expected to drive the market at an extremely faster pace. Some of the major companies dominating this market for its products and continuous product developments are XG Sciences Inc., Graphoid Inc., Graphene 3D Lab, 2D Carbon Tech Inc. Ltd and Advanced Graphene Products.

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Key Deliverables in the Study:

- Market analysis for the Global Graphene Market, with region specific assessments and competition analysis on global and regional scales
- Market definition along with the identification of key drivers and restraints
- Identification of factors instrumental in changing the market scenarios, rising prospective opportunities, and identification of key companies that can influence this market on a global and regional scale
- Extensively researched competitive landscape section with profiles of major companies along with their market shares
- Identification and analysis of the macro and micro factors that affect the Global Graphene market on both global and regional scales
- A comprehensive list of key market players along with the analysis of their current strategic interests and key financial information
- A wide-ranging knowledge and insights about the major players in this industry and the key strategies adopted by them to sustain and grow in the studied market
- Insights on the major countries/regions in which this industry is blooming and to also identify the regions that are still untapped.

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[Global Graphene Batteries Market Research Report and Forecast to 2017-2021](#): Graphene Batteries Report by Material, Application, and Geography – Global Forecast to 2021 is a professional and in-depth research report on the world's major regional market conditions, focusing on the main regions (North America, Europe and Asia-Pacific) and the main countries (United States, Germany, United Kingdom, Japan, South Korea and China).

[Global Graphene Oxide Market Forecast to 2021](#): This report focuses on the Graphene Oxide 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.

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