

Graphene Nanocomposites Market: Surging Towards a Remarkable Valuation of US\$ 2,796.7 Million by 2031

China's graphene nanocomposite manufacturers intensify R&D, especially in silicon-graphene nanocomposites for lithium-ion batteries, significant growth

NEWARK, DELAWARE, UNITED STATES, September 7, 2023

/EINPresswire.com/ -- The global [graphene nanocomposites market](#) value worth US\$ 167.5 Million in 2021. Increasing application in the electronics sector for devices and semiconductors is expected to propel sales at 32.5% CAGR, with the market valuation reaching US\$ 2,796.7 Million in 2031.



Rising [demand for graphene nanocomposites](#) for applications in medicine, water treatment, research, aerospace, polymer composites, electronics, and optics is boosting sales in the market. Besides this, the increasing adoption of innovative techniques to commercialize graphene nanocomposites is also boding well for the market.

Consumer preference for graphene oxide for various end uses like cellular imaging, drug delivery, and cancer treatment, is creating lucrative growth prospects for graphene nanocomposites market players.

As per FMI's regional analysis, the U.S. is anticipated to dominate the global graphene nanocomposites market. Growth can be attributed to the presence of leading players such as Angstrom Materials, Inc., along with the country being a top player in medical research and the bio-medical sector.

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"Increasing demand for graphene oxide nanocomposites in the paints & coatings industry, along with the expansion of the electronics sector in emerging economies will continue pushing sales in the market over the assessment period," says the FMI analyst.

Key Takeaways:

By product type, sales in the graphene oxide segment are expected to increase at a 31.3% CAGR

over the forecast period.

Demand for graphene nanocomposites in the electronics industry is anticipated to create an incremental opportunity of US\$ 597.7 Million over the assessment period.

The U.S. is anticipated to hold a dominant share of 87.2% of the North American graphene nanocomposites market by 2031.

China will emerge as a lucrative market, creating an incremental opportunity of US\$ 623.8 Million in 2031.

Germany is projected to account for 22.0% of the Europe graphene nanocomposites market share in 2031.

South Korea and Russia will hold 10.3% and 4.1% of the global graphene nanocomposites market share respectively in 2021.

Competitive Landscape

Versarien Plc

Haydale Graphene Industries Plc

Graphenea S.A

Applied Graphene Materials PLC

Taiwan Graphene Co., Ltd.

Ningbo Moxi Technology Co., Ltd

Graphene Tech, S.L.

XG Sciences Inc.

NanoXplore, Inc

Are some players operating in the graphene nanocomposites market profiled by FMI?

Leading players operating in the graphene nanocomposites market are investing in strategic business agreements for the commercialization of graphene and are focusing on the incorporation of proprietary and green technology for graphene production. Apart from this, players are focusing on research and development to explore new application areas of graphene nanocomposites that can serve more end uses to gain a competitive edge.

For instance:

In March 2021, First Graphene Ltd collaborated with Gerdau S.A. to develop the market for PureGRAPH graphene products, which are graphene platelets that enhance the performance of cement composites, in the Americas.

Key Segmentations-

By Product Type:

Graphene Oxide (GO)
Graphene Nano Platelets

By Application:

Electronics
Energy Storage
Automotive & Aerospace
Polymer Composites
Medical & Bio-Medical
Water Treatment
Research & Development

By Region:

North America
Europe
East Asia
Rest of World

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More Insights into the Graphene Nanocomposites Market Report

In its latest report, FMI offers an unbiased analysis of the global graphene nanocomposites market, providing historical data for the period of 2018-2020 and forecast statistics for the period of 2021-2031. In order to understand the global market potential, its growth, and scope, the market is segmented on the basis of product type (graphene oxide and graphene nanoplatelets), and application (electronics, energy storage, automotive and aerospace, polymer composites, medical and bio-medical, water treatment, and research and development) across four regions (North America, Europe, East Asia, and Rest of World).

Author:

Nikhil Kaitwade (Associate Vice President at Future Market Insights, Inc.) has over a decade of experience in market research and business consulting. He has successfully delivered 1500+ client assignments, predominantly in Automotive, Chemicals, Industrial Equipment, Oil & Gas, and Service industries.

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[Composite Tooling Market Size](#): The composite tooling market achieved a valuation of US\$ 493 million in 2022, and it is anticipated to grow to US\$ 525 million by 2023. The industry is expected to maintain a steady compound annual growth rate (CAGR) of 4.9% by 2033.

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Ronak Shah

Future Market Insights, Inc.

+1 845-579-5705

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