

# Global Graphene Market 2023-2029

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## Abstracts

Graphene is a one-atom-thick layer of carbon atoms arranged in a hexagonal lattice. It is the thinnest material and also incredibly strong - about 200 times stronger than steel. Graphene's unique combination of extraordinary properties offers a fascinating material platform for the development of next-generation technologies in many areas – wearable and superfast electronics, ultrasensitive sensors, multifunctional composites and coatings, membranes, medicine and biotechnology, energy harvesting and storage. The global graphene market is anticipated to increase by USD 1,085.7 million till 2029 at an average annual growth of 34.8 percent as per the latest market estimates.

The report covers market size and growth, segmentation, regional breakdowns, competitive landscape, trends and strategies for global graphene market. It presents a quantitative analysis of the market to enable stakeholders to capitalize on the prevailing market opportunities. The report also identifies top segments for opportunities and strategies based on market trends and leading competitors' approaches.

This industry report offers market estimates and forecasts of the global market, followed by a detailed analysis of the product, end user, and region. The global market for graphene can be segmented by product: graphene nanoplatelets (GNPs), graphene nanoribbons (GNRs), graphene oxide (GO), graphene sheets and films, others. Globally, the graphene oxide segment made up the largest share of the graphene market. Graphene market is further segmented by end user: aerospace and defense, electronics, energy storage, healthcare, others. The electronics segment captured the largest share of the market in 2022. Based on region, the graphene market is segmented into: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America. According to the research, Asia-Pacific had the largest share in the global graphene market.

## Market Segmentation

By product: graphene nanoplatelets (GNPs), graphene nanoribbons (GNRs), graphene oxide (GO), graphene sheets and films, others

By end user: aerospace and defense, electronics, energy storage, healthcare, others

By region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), Latin America

The report also provides a detailed analysis of several leading graphene market vendors that include 2D Carbon Graphene Material Co., Ltd., ACS Material, LLC, AMO GmbH, Applied Graphene Materials plc, BGT Material Limited, Directa Plus S.p.A, Elcora Advanced Materials Corp., G6 Materials Corp., Global Graphene Group, Grafoid, Inc., Graphene Manufacturing Group Ltd., Graphene NanoChem Plc, Graphene Square Inc., Graphenea SA, Graphensic AB, Grupo Graphenano, Haydale Graphene Industries plc, Nanoxplore Inc., Ningbo Moxi Technology Co., Ltd., Perpetuus Advanced Materials plc, The Sixth Element (Changzhou) Materials Technology Co., Ltd., Thomas Swan & Company Ltd., Versarien plc, Vorbeck Materials Corporation, XG Sciences, Inc. (NanoXplore Inc.), Xiamen Knano Graphene Technology Co., Ltd., among others. In this report, key players and their strategies are thoroughly analyzed to understand the competitive outlook of the market.

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### Scope of the Report

To analyze and forecast the market size of the global graphene market.

To classify and forecast the global graphene market based on product, end user, region.

To identify drivers and challenges for the global graphene market.

To examine competitive developments such as mergers & acquisitions, agreements, collaborations and partnerships, etc., in the global graphene market.

To identify and analyze the profile of leading players operating in the global graphene market.

## Why Choose This Report

Gain a reliable outlook of the global graphene market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

Print authentication provided for the single-user license.

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Asia-Pacific

MEA (Middle East and Africa)

Latin America

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2D Carbon Graphene Material Co., Ltd.

ACS Material, LLC

AMO GmbH

Applied Graphene Materials plc

BGT Material Limited

Directa Plus S.p.A

Elcora Advanced Materials Corp.

G6 Materials Corp.

Global Graphene Group

Grafoid, Inc.

Graphene Manufacturing Group Ltd.

Graphene NanoChem Plc

Graphene Square Inc.

Graphenea SA

Graphensic AB

Grupo Graphenano

Haydale Graphene Industries plc

Nanoxplore Inc.

Ningbo Moxi Technology Co., Ltd.

Perpetuus Advanced Materials plc

The Sixth Element (Changzhou) Materials Technology Co., Ltd.

Thomas Swan & Company Ltd.

Versarien plc

Vorbeck Materials Corporation

XG Sciences, Inc. (NanoXplore Inc.)

Xiamen Knano Graphene Technology Co., Ltd.

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