

The Global Market for Graphene and 2D Materials 2024-2034

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Abstracts

The market for graphene has grown hugely in the past decade, with numerous products now on the market and more to come as graphene producers record steadily increasing revenues and OEMs witnessing significant returns in clothing, sportswear, footwear, tires, batteries etc. The market for graphene in batteries is witnessing large-scale investments.

Graphene is attracting increasing attention from investors, researchers and industrial players due to exceptional mechanical, electronic, and thermal properties. Graphene is available in multi-ton quantities from many producers and has been identified by many industry sectors as a key materials that will drive future product development in flexible electronics, smart textiles, biosensors, drug delivery, water filtration, supercapacitors and more.

This in-depth graphene market report provides a comprehensive analysis of the global graphene industry. It examines the market size for graphene in both revenues and tons, with breakdowns by type of graphene material, world region, and end-user application.

The Global Market for Graphene and 2D Materials 2024-2034 is the most comprehensive and up-to date report on graphene and 2D materials currently available, from the world's leading market authority on graphene and publisher of Graphene Magazine. Profiling over 380 companies, the report provides key information for investors and executives to enable them to understand and take advantage of the opportunities provided by graphene and 2D materials. Detailed application roadmaps are provided, showing graphene adoption timelines in key sectors like batteries, sensors, automotive, aerospace, energy, electronics, biomedicine and more. Regional demand forecasts are given for Asia Pacific, North America, Europe and others. The

competitive landscape is analyzed with SWOT assessments and revenue projections for graphene in each application sector.

The report also covers graphene patents and research trends, pricing, production methods, regulations, commercial products, strategic collaborations, funding, and more. It provides historical data from 2018, estimates up to 2022, and market projections to 2034. Emerging graphene applications like quantum dots, fuel cells, filtration, coatings, polymer composites and lubricants are analyzed in depth.

The Global Market for Graphene and 2D Materials 2024-2034 contains:

Assessment of graphene by market including applications, key benefits, market megatrends, market drivers for graphene, technology drawbacks, competing materials, potential consumption of graphene to 2034 and main players.

Assessment of graphene materials (CVD graphene, graphene nanoplatelets, graphene oxide, etc), intermediate products (graphene masterbatches, dispersions, etc) and final products with graphene embedded (e.g. headphones, tennis racquets, etc). Tabular data on current graphene products.

Graphical depictions of graphene applications by market.

In depth-assessment of graphene producer and distributor pricing in 2023.

Global market for graphene in tons, by sector, historical and forecast to 2034. Global graphene market size split by market in 2022 and for each application to 2034.

Full list of technology collaborations, strategic partnerships, and M&As in the global graphene market including collaboration dates.

Applications roadmap, by market.

In-depth profiles of more than 380 graphene and 2D materials producers and application/product developers including products, production capacities, manufacturing methods, collaborations, licensing, customers and target markets. Companies profiled include Anaphite Limited, CamGraPhic, Directa Plus, First Graphene, G6 Materials, Gerdau Graphene, Global Graphene Group, Graft Polymer, Graphjet Technology Sdn. Bhd., Grapheal, Graphex Group Ltd,

Graphmatech, Haydale Graphene, Huvis, Lyten, NanoXplore, Paragraf, SafeLi LLC, Saint Jean Carbon, Skeleton Technologies, Versarien and Talga Resources.

List of ex-graphene producers.

Detailed forecasts for key growth areas, opportunities and demand.

Market news and funding 2020-23.

Unique market assessment tools to assess the viability of graphene, by market, and application.

Market assessment of other 2D materials.

Analysis of 2D materials market including Boron Nitride nanotubes (BNNTs), hexagonal boron-nitride (BNNS), transition metal dichalcogenides (TMDC), Mxenes, Borophene, Phosphorene, Graphitic carbon nitride, Germanene, Graphyne, graphane, Rhenium disulfide (ReS₂) and diselenide (ReSe₂), silicene, Stanene/tinene, Tungsten diselenide, Antimonene, diamene and indium selenide.

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- Figure 301. Graphene-based membrane dehumidification test cell.

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