

Graphene Electronics Market By Product (Display, Memories, Batteries, Solar Cell, Integrated Circuits and Chips, Others), By Industry Vertical (Consumer Electronics, Automotive, Healthcare, Industrial Robotics, Aerospace and Defense, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031

Market Report | 2023-01-01 | 301 pages | Allied Market Research

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Report description:

The global graphene electronics market was valued at \$270.8 million in 2021 and is projected to reach \$5.2 billion by 2031, growing at a CAGR of 34.2% from 2022 to 2031. Graphene is an enhanced electrode material used to create next-generation electronics components for portal devices, electric vehicles, solar panels, and others. The rise in the evolution of touchscreen-based electronics solutions over the last decade is driving the growth of the graphene electronics market.□□□□

The growth of global graphene electronics is majorly driven by the surge in sales of electric vehicles coupled with the thriving portable electronics industry. Moreover, superior performance and functionalities are expected to drive market growth. However, the high cost and lack of awareness of graphene technology are acting as prime restraints for the global market. On the contrary, the rise in government initiatives in research and development is anticipated to provide lucrative opportunities for the graphene electronics industry during the forecast period.□

The graphene electronics market is segmented on the basis of product, industry vertical, and region. The product of the market is segmented into displays, memories, batteries, solar cells, integrated circuits & chips, and others. By end user, the market is classified into consumer electronics, automotive, healthcare, industrial robotics, aerospace & defense, and others. Region-wise, the graphene electronics market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (UK, Germany, Spain, and the Rest of Europe), Asia-Pacific (China, India, Japan, Australia, and Rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa).□

The key players operating in the market include AMG Advanced Metallurgical Group N.V., Graphene Platform Corporation, Graphene Frontiers LLC, Graphenea S.A., Talga Group, Graphene Square, Inc., NanoXplore Inc., First Graphene, Versarien plc, and Grafen Chemical Industries Co. Ltd

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Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the global graphene electronics market analysis from 2021 to 2031 to identify the prevailing global graphene electronics market opportunities.
- Market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the global graphene electronics market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global graphene electronics market trends, key players, market segments, application areas, and market growth strategies.

Key Market Segments

By Industry Vertical

- Consumer Electronics
- Automotive
- Healthcare
- Industrial Robotics
- Aerospace and Defense
- Others

By Product

- Display
- Others
- Memories
- Batteries
- Solar Cell
- Integrated Circuits and Chips

By Region

- North America
 - U.S.
 - Canada
 - Mexico
- Europe
 - UK
 - Germany
 - Spain
 - Rest of Europe
- Asia-Pacific
 - China
 - Japan
 - India
 - Australia
 - Rest of Asia-Pacific
- LAMEA
 - Latin America

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- Middle East
- Africa
- Key Market Players
- AMG Advanced Metallurgical Group N.V.
- Graphene Frontiers LLC
- Graphenea
- Talga Group
- NanoXplore Inc.
- Versarien plc
- Graphene Platform Corporation
- Graphene Square, Inc.
- First Graphene
- Grafen Chemical Industries Co. Ltd

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