

# Carbon Nanomaterials Market Growth Analysis With Investment Opportunities For 2024-2033

*The Business Research Company's Carbon Nanomaterials Global Market Report 2024 – Market Size, Trends, And Market Forecast 2024-2033*

LONDON, GREATER LONDON, UK, July 16, 2024 /EINPresswire.com/ -- The carbon nanomaterials market has experienced robust growth in recent years, expanding from \$5.49 billion in

2023 to \$7.03 billion in 2024 at a compound annual growth rate (CAGR) of 28.1%. The growth in the historic period can be attributed to demand in electronics industry, increasing environmental concerns, automotive sector demand, healthcare sector adoption, cost reduction in production.



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## Strong Future Growth Anticipated

The carbon nanomaterials market is projected to continue its strong growth, reaching \$19 billion in 2028 at a compound annual growth rate (CAGR) of 28.2%. The growth in the forecast period can be attributed to development of nanosensors, adoption in construction materials, integration in electronics, growth in nanomedicine research, focus on sustainable materials.

Major trends in the forecast period include focus on functionalization, enhanced energy storage solutions, nanomaterials in construction, focus on nanotoxicology research, industrial automation and robotics.

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## Growth Driver Of The Carbon Nanomaterials Market

The increasing demand for electric vehicles is expected to propel the growth of the carbon

nanomaterials market going forward. An electric vehicle is a vehicle that runs on one or more electric motors that draw electricity from an external power source. The performance of lithium-ion batteries, the main energy storage devices in electric cars, is improved by using carbon nanomaterials such as graphene and carbon nanotubes. Carbon compounds are also employed in lithium batteries to increase the electrical conductivity of the positive and negative electrodes while avoiding interfering with the electrochemical redox reaction, which generates energy in the electrochemical cell.

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### Major Players And Market Trends

Key players in the carbon nanomaterials market include Hanwha Corporation, LG Chem Ltd., Northrop Grumman Corporation, Sumitomo Electric Industries Ltd., Arkema S.A., Cabot Corporation, Kumho Petrochemical Co Ltd., Sigma-Aldrich, JiangSu Cnano Technology Co. Ltd., OCSiAl USA, Thomas Swan & Company Ltd., Nano-C Inc., DexMat Inc., Nantero Inc., C12 Quantum Electronics, Hyperion Catalysis International, NaWaTechnologies SA, Klean Industries Inc., Surrey NanoSystems Ltd., Nanocyl S.A., Adnano Technologies Private Limited, Raymor Industries Inc., Chasm Advanced Materials Inc., Nano Labs Ltd., Showa Denko K. K., Chengdu Organic Chemicals Co. Ltd., Sun-Nanotech Co Ltd., NoPo Nanotechnologies Private Limited. Major companies operating in the carbon nanomaterials market are focusing on innovative products such as graphene nanotube dispersions to drive revenues in their market. Graphene nanotube dispersions are derived from graphene, a two-dimensional carbon sheet with exceptional mechanical, electrical, and thermal properties that is only one atom thick.

### Segments:

- 1) By Type: Carbon Nanofibers, Carbon Nanotube, Fullerenes, Graphene, Carbon-Based Quantum Dots, Other Types
- 2) By Method: Arc Discharge, Laser Ablation, Chemical Vapor Deposition, Catalyzed Chemical Vapor Deposition, High-Pressure Carbon Monoxide Reaction, Liquid Phase Carbon Nanotubes Purification
- 3) By End User: Building And Construction, Electrical And Electronics, Medical And Healthcare, Automotive, Aerospace, Sports And Leisure, Other End Users

### Geographical Insights: Asia-Pacific Leading The Market

Asia-Pacific was the largest region in the carbon nanomaterials market in 2023. Asia-Pacific is expected to be the fastest-growing region during the forecast period, driven by expanding healthcare facilities and increasing awareness of the benefits of carbon nanomaterials.

### Carbon Nanomaterials Market Definition

Carbon nanomaterials refer to a large family of carbon allotropes that includes carbon fullerenes and quantum dots in the zero-dimensional space. The carbon nanotubes (CNTs) in the one-

dimensional space, graphene in the two-dimensional space, and nanodiamonds and nanohorns in the three-dimensional space. These are used in a wide variety of applications due to its distinct physical and chemical properties.

[Carbon Nanomaterials Global Market Report](#) 2024 from THE BUSINESS RESEARCH COMPANY covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Carbon Nanomaterials Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [carbon nanomaterials market size](#), carbon nanomaterials market drivers and trends, carbon nanomaterials market major players, carbon nanomaterials competitors' revenues, carbon nanomaterials market positioning, and carbon nanomaterials market growth across geographies. The carbon nanomaterials market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help

its users assess supply-demand gaps.

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