

# Carbon Nanotube Market Business Opportunities, Competitive Landscape and Industry Analysis Research Report by 2030

*Market Size – USD 876.8 Million in 2021,  
Market Growth – at a CAGR of 14.9%,  
Market Trend – Increasing demand from  
automotive industry*

VANCOUVER, BC, CANADA, August 16, 2022 /EINPresswire.com/ -- The global [Carbon Nanotube \(CNT\) market](#) size reached USD 876.8 Million in 2021 and is expected to register a revenue CAGR of 14.9% during the forecast period, according to latest analysis by Emergen Research. Increasing application of Carbon Nanotubes (CNTs) in the

healthcare sector is expected to support market revenue growth between 2021 and 2030. CNTs are nanomaterials widely used in nanotechnology, from materials and electronics to nanomedicine, and they play an important role in innovation of nanomaterials for next-generation theranostic nanomedicine. Biosensors made with CNT can diagnose yeast infection

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Increasing application of Carbon Nanotubes (CNTs) in end-use industries, such as electronics & semiconductor, aerospace & defense, medicine & pharmacy, and others, is driving market revenue growth”

*Emergen Research*



more quickly than the current method, while targeting tumors is another possible medical application of CNTs. CNTs have already reached consumers through a variety of marketed products, ranging from batteries to sporting goods, and they are going to be used as an alternative to silicon in next-generation of nanoscale processors.

The Carbon Nanotube (CNT) Market report presents comprehensive information covering insightful data for businesses and investors for the time period of 2022-2030. The report studies the historical data of the Carbon Nanotube (CNT) market and offers valuable information about the key segments and sub-segments, revenue

generation, demand and supply scenario, trends, and other vital aspects. The report offers an

accurate forecast estimation of the Carbon Nanotube (CNT) industry based on the recent technological and research advancements. It also offers valuable data to assist the investors in formulating strategic business investment plans and capitalize on the emerging growth prospects in the Carbon Nanotube (CNT) market.

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### Some Key Highlights From the Report

Single-Walled Carbon Nanotubes (SWCNTs) segment revenue is expected to register a steady growth rate during the forecast period. SWCNTs are allotropes of carbon, and they have a high length-to-diameter ratio and surface area. CNTs are known to be efficient thermal conductors, and they can be used to make light-absorbing materials, which is expected to increase their demand over the forecast period.

Medical & pharmacy segment is expected to register the fastest growth rate during the forecast period, owing to the capability of CNTs to absorb a variety of diagnostic agents, such as antibodies, vaccines, drugs, and others.

Market in Asia-Pacific is expected to register the fastest revenue growth rate during the forecast period, due to increasing use of carbon nanotubes in industrial, electronics, and automotive sectors. In addition, low production and labor costs, and availability of raw materials in countries, such as China, India, and South Korea, are contributing to revenue growth of the market in this region.

Leading Companies of the Carbon Nanotubes Industry and Profiled in the Report are:

Arkema, Carbon Solutions, Inc., Showa Denko KK, Nanocyl SA, Nanoshell LLC, Hyperion Catalysis International, Klean Industries Inc., Continental Carbon, CHASM Advanced Materials, and Nano-C, Inc.

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Furthermore, the report divides the Carbon Nanotubes market into key segments and sub-segments to offer an analysis of the product type and application spectrum of the industry. It also offers predictions about the segments expected to show significant growth during the projected timeline.

Emergen Research has segmented the global carbon nanotube market on the basis of product type, technology, application, and region:

Product Type Outlook (Revenue, USD Million; 2019–2030)

Single-Walled Carbon Nanotubes (SWCNTs)

Multi-Walled Carbon Nanotubes (MWCNTs)

Technology Outlook (Revenue, USD Million; 2019–2030)

Arc Discharge  
Laser Ablation of Graphite  
Chemical Vapor Deposition (CVD)  
Catalytic CVD  
High-Pressure Carbon Monoxide  
CoMoCAT  
Floating Catalyst  
Others  
Application Outlook (Revenue, USD Million; 2019–2030)  
Electronics & Semiconductor  
Aerospace and Defense  
Energy Storage  
Structural Composites  
Chemical Materials  
Medical & Pharmacy  
Others  
Regional Analysis:

The report sheds light on the region expected to dominate the Carbon Nanotubes market in the coming years. The report estimates the market size in terms of volume and value and offers an accurate estimate of the market share each region is anticipated to hold during the forecast period. The report analyzes the spread of the Carbon Nanotubes market in key geographies covering North America, Latin America, Europe, Asia Pacific, and Middle East & Africa. The regional analysis offers an idea about the production and consumption pattern, import/export, supply and demand ratio, revenue contribution, market share and size, and the presence of prominent players in each region.

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The report covers key points of the market, including the standards, regulations, and policy changes applied by the government on the industry for the coming years. The report encompasses thorough research carried out by the application of advanced analytical tools such as SWOT analysis and Porter's Five Forces analysis to pinpoint the growth trends and patterns. Factors likely to influence the growth of the market, current trends, opportunities, restraining factors, and business landscape are discussed in-depth in the market study.

Key Points of Carbon Nanotubes Market:

Extensive coverage of the analysis of the Carbon Nanotubes market  
Key insights into the regional spread of the industry in key geographies  
Radical insights into the vital market trends; both current and emerging trends, and factors influencing the growth of the market

Comprehensive coverage of the impact of the COVID-19 pandemic on the overall growth of the Carbon Nanotubes market

Complete data about the key manufacturers and vendors in the Carbon Nanotubes market

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