

# **Carbon Nanotubes Market Size, Share & Trends Analysis Report By Product (MWCNTs, SWCNTs), By Application (Polymers, Energy, Electrical & Electronics, Others), By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

This report can be delivered to the clients within 8 Business Days

### **Carbon Nanotubes Market Growth & Trends**

The global carbon nanotubes market size is estimated to reach USD 8.15 billion by 2030, registering a CAGR of 14.1% from 2025 to 2030, according to a new report by Grand View Research, Inc. Increasing the application scope of carbon nanotubes (CNT) in end-use industries including polymers, electronics, energy, marine, aerospace, and automotive is anticipated to drive market growth over the forecast period. The government of China, Japan, the U.S., and India have increased funding aimed at promoting nanotechnology at the domestic level which is expected to open new avenues for the market over the next seven years.

Polymers were the largest application segment, accounting for over 69.7% of the global market volume in 2024. CNT are increasingly being fortified in polymers such as composites and plastic derivatives for improving the electrical, thermal, and mechanical strength of the end product. The growing application of polymers in the construction, automotive, and consumer goods industry is anticipated to have a positive impact on CNT market over the forecast period.

### **Carbon Nanotubes Market Report Highlights**

In 2024, the Multi-Walled Carbon Nanotubes (MWCNTs) segment held the largest share of 93.6%, fueled by their superior mechanical strength, electrical conductivity, and thermal properties.

By application, the polymers segment accumulated the largest share of 69.7% in 2024, owing to a surge in demand for high-performance materials in industries such as automotive, electronics, and aerospace.

The electrical & electronics application segment is expected to register fastest CAGR during the forecast period, due to their exceptional electrical conductivity, high strength, and lightweight properties.

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