

Global High Purity Carbon Nanotube Powder Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global High Purity Carbon Nanotube Powder market size is expected to reach \$ 2443 million by 2032, rising at a market growth of 14.5% CAGR during the forecast period (2026-2032).

In 2025, global High Purity Carbon Nanotube Powder production reached approximately 13,529 tons, with an average global market price of around US\$68,000 per ton.

The gross profit margin of major companies in the industry is between 30% ? 50%.

In 2025, the global production capacity of High Purity Carbon Nanotube Powder was approximately 18,039 tons.

High Purity Carbon Nanotube Powder is a nano-carbon material with high carbon purity, large aspect ratio, excellent conductivity, and mechanical reinforcement performance. It is used in batteries, conductive plastics, coatings, composites, sensors, and advanced functional materials where low impurity content and stable dispersion are important.

The industrial chain includes upstream carbon sources, catalysts, reactors, purification chemicals, dispersion agents, and packaging materials. Midstream covers synthesis, purification, drying, grinding, classification, and testing. Downstream applications mainly include lithium batteries, conductive materials, composites, coatings, electronics, and advanced material research.

The advancement of new energy and advanced material industries fuels the rising demand for high purity carbon nanotube powder. With outstanding electrical conductivity and mechanical properties, these materials are widely applied in conductive

additives and high-performance composite scenarios. Continuous material purification and dispersion optimization further expand its commercial application boundaries.

This report studies the global High Purity Carbon Nanotube Powder production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for High Purity Carbon Nanotube Powder and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of High Purity Carbon Nanotube Powder that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global High Purity Carbon Nanotube Powder total production and demand, 2021-2032, (Tons)

Global High Purity Carbon Nanotube Powder total production value, 2021-2032, (USD Million)

Global High Purity Carbon Nanotube Powder production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global High Purity Carbon Nanotube Powder consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: High Purity Carbon Nanotube Powder domestic production, consumption, key domestic manufacturers and share

Global High Purity Carbon Nanotube Powder production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global High Purity Carbon Nanotube Powder production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global High Purity Carbon Nanotube Powder production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global High Purity Carbon Nanotube Powder market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nanocyl, OCSiAl, Raymor, Meijo Nano Carbon, Timesnano, Cnano Technology, Xiamen Knano Graphene Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World High Purity Carbon Nanotube Powder market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global High Purity Carbon Nanotube Powder Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global High Purity Carbon Nanotube Powder Market, Segmentation by Type:

Single-walled Carbon Nanotube Powder

Multi-walled Carbon Nanotube Powder

Few-walled Carbon Nanotube Powder

Global High Purity Carbon Nanotube Powder Market, Segmentation by Surface Treatment:

Untreated Carbon Nanotube Powder

Functionalized Carbon Nanotube Powder

Dispersible Carbon Nanotube Powder

Global High Purity Carbon Nanotube Powder Market, Segmentation by Purity Level:

High Purity CNT Powder (95%-98%)

Ultra-high Purity CNT Powder (98%-99.5%)

Premium Purity CNT Powder (>99.5%)

Global High Purity Carbon Nanotube Powder Market, Segmentation by Application:

Conductive Additive

Reinforcement Filler

Field Emission Material

Other

Companies Profiled:

Nanocyl

OCSiAl

Raymor

Meijo Nano Carbon

Timesnano

Cnano Technology

Xiamen Knano Graphene Technology

Key Questions Answered:

1. How big is the global High Purity Carbon Nanotube Powder market?
2. What is the demand of the global High Purity Carbon Nanotube Powder market?
3. What is the year over year growth of the global High Purity Carbon Nanotube Powder market?
4. What is the production and production value of the global High Purity Carbon Nanotube Powder market?
5. Who are the key producers in the global High Purity Carbon Nanotube Powder market?
6. What are the growth factors driving the market demand?

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