

Global Whisker Carbon Nanotube Powder Market Growth 2026-2032

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Abstracts

The global Whisker Carbon Nanotube Powder market size is predicted to grow from US\$ 105 million in 2025 to US\$ 417 million in 2032; it is expected to grow at a CAGR of 22.2% from 2026 to 2032.

In 2025, global Whisker Carbon Nanotube Powder production reached approximately 610 tons, with an average global market price of around US\$175 per kilogram. Whisker carbon nanotubes, or vapor grown carbon fibers (VGCFs), are cylindrical nanostructures with graphene layers arranged as stacked cones, cups or plates. Carbon nanofibers with graphene layers wrapped into perfect cylinders are called carbon nanotubes.

Whisker carbon nanotube powder is a high-end powder material within the vapor grown carbon fiber system. Competition is not driven by general carbon material capacity, but by whisker morphology stability, continuous production capability, impurity control, powder dispersion efficiency and compatibility with downstream formulations. Resonac clearly announced in 2022 that it would expand VGCF capacity at its Kawasaki Plant to 400 tons per year, showing that high-end customers place greater emphasis on stable supply and material consistency, while lithium battery conductive additives remain an important application direction for this powder material. In China, Kelaiwei's public materials state that it owns independent intellectual property for whisker carbon nanotube powder, supplies both powder and conductive slurry products, and has invested to expand whisker carbon nanotube capacity to 500 tons per year. Overall, the market has clear technical and customer-entry barriers, with demand supported by battery conductive materials, composite reinforcement, electrothermal conversion and conductive or thermal materials. Volume growth will still depend on customer qualification, batch stability, dispersion performance and cost-performance competition

with conventional conductive materials.

LP Information, Inc. (LPI) ' newest research report, the "Whisker Carbon Nanotube Powder Industry Forecast" looks at past sales and reviews total world Whisker Carbon Nanotube Powder sales in 2025, providing a comprehensive analysis by region and market sector of projected Whisker Carbon Nanotube Powder sales for 2026 through 2032. With Whisker Carbon Nanotube Powder sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Whisker Carbon Nanotube Powder industry.

This Insight Report provides a comprehensive analysis of the global Whisker Carbon Nanotube Powder landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Whisker Carbon Nanotube Powder portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Whisker Carbon Nanotube Powder market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Whisker Carbon Nanotube Powder and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Whisker Carbon Nanotube Powder.

This report presents a comprehensive overview, market shares, and growth opportunities of Whisker Carbon Nanotube Powder market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Fiber Diameter 150nm

Fiber Diameter 75nm

Segmentation by Fiber Length:

Length 70%

DG >85%

Segmentation by Application:

Lithium Battery Cathode

Lithium Battery Anode

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Resonac

Henan Keliwei Nanocarbon Materials

The First Element Nanotech

Jiangsu Cnano Technology

Key Questions Addressed in this Report

What is the 10-year outlook for the global Whisker Carbon Nanotube Powder market?

What factors are driving Whisker Carbon Nanotube Powder market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Whisker Carbon Nanotube Powder market opportunities vary by end market size?

How does Whisker Carbon Nanotube Powder break out by Type, by Application?

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