

Global Carbon Nanotube (CNT) Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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Abstracts

Summary

Carbon nanotubes (CNTs) are tubular cylinders of carbon atoms that have extraordinary mechanical, electrical, thermal, optical and chemical properties. CNTs typically have diameters ranging from <1 nanometer (nm) up to 50 nm—a nanometer is one thousand millionth of a meter.

As a carbon based product, CNTs have almost none of environmental or physical degradation issues common to metals—thermal expansion and contraction, corrosion and sensitivity to radiation—all of which result in greater system failure in performance-sensitive applications in aerospace and defense, aviation, automotive, energy and consumer products.

According to APO Research, The global Carbon Nanotube (CNT) market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Carbon Nanotube (CNT) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Carbon Nanotube (CNT) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Carbon Nanotube (CNT) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Carbon Nanotube (CNT) is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Carbon Nanotube (CNT) include Showa Denko, Nanocyl, Arkema, Cnano, Hanwha, Raymor, OCSiAl, Klean Commodities and Thomas Swan, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Carbon Nanotube (CNT) production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Carbon Nanotube (CNT) by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Carbon Nanotube (CNT), capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Carbon Nanotube (CNT), also provides the consumption of main regions and countries. Of the upcoming market potential for Carbon Nanotube (CNT), and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Carbon Nanotube (CNT) sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Carbon Nanotube (CNT) market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies

in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Carbon Nanotube (CNT) sales, projected growth trends, production technology, application and end-user industry.

Carbon Nanotube (CNT) segment by Company

Showa Denko

Nanocyl

Arkema

Cnano

Hanwha

Raymor

OCSiAl

Klean Commodities

Thomas Swan

KUMHO PETROCHEMICAL

Timesnano

Shanghai kajet

SSZK

Dknono

LG Chem

SUSN

Haoxin Thchnology

Carbon Nanotube (CNT) segment by Type

SWNTs

MWNTs

Carbon Nanotube (CNT) segment by Application

Lithium Battery

Conductive Plastics

Carbon Nanotube (CNT) segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Carbon Nanotube (CNT) market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Carbon Nanotube (CNT) and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Carbon Nanotube (CNT).

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Carbon Nanotube (CNT) market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Carbon Nanotube (CNT) industry.

Chapter 3: Detailed analysis of Carbon Nanotube (CNT) market competition landscape. Including Carbon Nanotube (CNT) manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Carbon Nanotube (CNT) by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Carbon Nanotube (CNT) in regional level and country level. It provides a quantitative analysis of the market size and development potential of each

region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Carbon Nanotube (CNT) Production Value Estimates and Forecasts (2019-2030)
 - 1.2.2 Global Carbon Nanotube (CNT) Production Capacity Estimates and Forecasts (2019-2030)
 - 1.2.3 Global Carbon Nanotube (CNT) Production Estimates and Forecasts (2019-2030)
 - 1.2.4 Global Carbon Nanotube (CNT) Market Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 GLOBAL CARBON NANOTUBE (CNT) MARKET DYNAMICS

- 2.1 Carbon Nanotube (CNT) Industry Trends
- 2.2 Carbon Nanotube (CNT) Industry Drivers
- 2.3 Carbon Nanotube (CNT) Industry Opportunities and Challenges
- 2.4 Carbon Nanotube (CNT) Industry Restraints

3 CARBON NANOTUBE (CNT) MARKET BY MANUFACTURERS

- 3.1 Global Carbon Nanotube (CNT) Production Value by Manufacturers (2019-2024)
- 3.2 Global Carbon Nanotube (CNT) Production by Manufacturers (2019-2024)
- 3.3 Global Carbon Nanotube (CNT) Average Price by Manufacturers (2019-2024)
- 3.4 Global Carbon Nanotube (CNT) Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- 3.5 Global Carbon Nanotube (CNT) Key Manufacturers Manufacturing Sites & Headquarters
- 3.6 Global Carbon Nanotube (CNT) Manufacturers, Product Type & Application
- 3.7 Global Carbon Nanotube (CNT) Manufacturers Commercialization Time
- 3.8 Market Competitive Analysis
 - 3.8.1 Global Carbon Nanotube (CNT) Market CR5 and HHI
 - 3.8.2 Global Top 5 and 10 Carbon Nanotube (CNT) Players Market Share by Production Value in 2023
 - 3.8.3 2023 Carbon Nanotube (CNT) Tier 1, Tier 2, and Tier

4 CARBON NANOTUBE (CNT) MARKET BY TYPE

4.1 Carbon Nanotube (CNT) Type Introduction

4.1.1 SWNTs

4.1.2 MWNTs

4.2 Global Carbon Nanotube (CNT) Production by Type

4.2.1 Global Carbon Nanotube (CNT) Production by Type (2019 VS 2023 VS 2030)

4.2.2 Global Carbon Nanotube (CNT) Production by Type (2019-2030)

4.2.3 Global Carbon Nanotube (CNT) Production Market Share by Type (2019-2030)

4.3 Global Carbon Nanotube (CNT) Production Value by Type

4.3.1 Global Carbon Nanotube (CNT) Production Value by Type (2019 VS 2023 VS 2030)

4.3.2 Global Carbon Nanotube (CNT) Production Value by Type (2019-2030)

4.3.3 Global Carbon Nanotube (CNT) Production Value Market Share by Type (2019-2030)

5 CARBON NANOTUBE (CNT) MARKET BY APPLICATION

5.1 Carbon Nanotube (CNT) Application Introduction

5.1.1 Lithium Battery

5.1.2 Conductive Plastics

5.2 Global Carbon Nanotube (CNT) Production by Application

5.2.1 Global Carbon Nanotube (CNT) Production by Application (2019 VS 2023 VS 2030)

5.2.2 Global Carbon Nanotube (CNT) Production by Application (2019-2030)

5.2.3 Global Carbon Nanotube (CNT) Production Market Share by Application (2019-2030)

5.3 Global Carbon Nanotube (CNT) Production Value by Application

5.3.1 Global Carbon Nanotube (CNT) Production Value by Application (2019 VS 2023 VS 2030)

5.3.2 Global Carbon Nanotube (CNT) Production Value by Application (2019-2030)

5.3.3 Global Carbon Nanotube (CNT) Production Value Market Share by Application (2019-2030)

6 COMPANY PROFILES

6.1 Showa Denko

6.1.1 Showa Denko Comapny Information

- 6.1.2 Showa Denko Business Overview
- 6.1.3 Showa Denko Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
- 6.1.4 Showa Denko Carbon Nanotube (CNT) Product Portfolio
- 6.1.5 Showa Denko Recent Developments
- 6.2 Nanocyl
 - 6.2.1 Nanocyl Company Information
 - 6.2.2 Nanocyl Business Overview
 - 6.2.3 Nanocyl Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.2.4 Nanocyl Carbon Nanotube (CNT) Product Portfolio
 - 6.2.5 Nanocyl Recent Developments
- 6.3 Arkema
 - 6.3.1 Arkema Company Information
 - 6.3.2 Arkema Business Overview
 - 6.3.3 Arkema Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.3.4 Arkema Carbon Nanotube (CNT) Product Portfolio
 - 6.3.5 Arkema Recent Developments
- 6.4 Cnano
 - 6.4.1 Cnano Company Information
 - 6.4.2 Cnano Business Overview
 - 6.4.3 Cnano Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.4.4 Cnano Carbon Nanotube (CNT) Product Portfolio
 - 6.4.5 Cnano Recent Developments
- 6.5 Hanwha
 - 6.5.1 Hanwha Company Information
 - 6.5.2 Hanwha Business Overview
 - 6.5.3 Hanwha Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.5.4 Hanwha Carbon Nanotube (CNT) Product Portfolio
 - 6.5.5 Hanwha Recent Developments
- 6.6 Raymor
 - 6.6.1 Raymor Company Information
 - 6.6.2 Raymor Business Overview
 - 6.6.3 Raymor Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.6.4 Raymor Carbon Nanotube (CNT) Product Portfolio

- 6.6.5 Raymor Recent Developments
- 6.7 OCSiAl
 - 6.7.1 OCSiAl Company Information
 - 6.7.2 OCSiAl Business Overview
 - 6.7.3 OCSiAl Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.7.4 OCSiAl Carbon Nanotube (CNT) Product Portfolio
 - 6.7.5 OCSiAl Recent Developments
- 6.8 Klean Commodities
 - 6.8.1 Klean Commodities Company Information
 - 6.8.2 Klean Commodities Business Overview
 - 6.8.3 Klean Commodities Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.8.4 Klean Commodities Carbon Nanotube (CNT) Product Portfolio
 - 6.8.5 Klean Commodities Recent Developments
- 6.9 Thomas Swan
 - 6.9.1 Thomas Swan Company Information
 - 6.9.2 Thomas Swan Business Overview
 - 6.9.3 Thomas Swan Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.9.4 Thomas Swan Carbon Nanotube (CNT) Product Portfolio
 - 6.9.5 Thomas Swan Recent Developments
- 6.10 KUMHO PETROCHEMICAL
 - 6.10.1 KUMHO PETROCHEMICAL Company Information
 - 6.10.2 KUMHO PETROCHEMICAL Business Overview
 - 6.10.3 KUMHO PETROCHEMICAL Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.10.4 KUMHO PETROCHEMICAL Carbon Nanotube (CNT) Product Portfolio
 - 6.10.5 KUMHO PETROCHEMICAL Recent Developments
- 6.11 Timesnano
 - 6.11.1 Timesnano Company Information
 - 6.11.2 Timesnano Business Overview
 - 6.11.3 Timesnano Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)
 - 6.11.4 Timesnano Carbon Nanotube (CNT) Product Portfolio
 - 6.11.5 Timesnano Recent Developments
- 6.12 Shanghai kajet
 - 6.12.1 Shanghai kajet Company Information
 - 6.12.2 Shanghai kajet Business Overview

6.12.3 Shanghai kajet Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)

6.12.4 Shanghai kajet Carbon Nanotube (CNT) Product Portfolio

6.12.5 Shanghai kajet Recent Developments

6.13 SSZK

6.13.1 SSZK Comapny Information

6.13.2 SSZK Business Overview

6.13.3 SSZK Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)

6.13.4 SSZK Carbon Nanotube (CNT) Product Portfolio

6.13.5 SSZK Recent Developments

6.14 Dknono

6.14.1 Dknono Comapny Information

6.14.2 Dknono Business Overview

6.14.3 Dknono Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)

6.14.4 Dknono Carbon Nanotube (CNT) Product Portfolio

6.14.5 Dknono Recent Developments

6.15 LG Chem

6.15.1 LG Chem Comapny Information

6.15.2 LG Chem Business Overview

6.15.3 LG Chem Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)

6.15.4 LG Chem Carbon Nanotube (CNT) Product Portfolio

6.15.5 LG Chem Recent Developments

6.16 SUSN

6.16.1 SUSN Comapny Information

6.16.2 SUSN Business Overview

6.16.3 SUSN Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)

6.16.4 SUSN Carbon Nanotube (CNT) Product Portfolio

6.16.5 SUSN Recent Developments

6.17 Haoxin Thchnology

6.17.1 Haoxin Thchnology Comapny Information

6.17.2 Haoxin Thchnology Business Overview

6.17.3 Haoxin Thchnology Carbon Nanotube (CNT) Production, Value and Gross Margin (2019-2024)

6.17.4 Haoxin Thchnology Carbon Nanotube (CNT) Product Portfolio

6.17.5 Haoxin Thchnology Recent Developments

7 GLOBAL CARBON NANOTUBE (CNT) PRODUCTION BY REGION

7.1 Global Carbon Nanotube (CNT) Production by Region: 2019 VS 2023 VS 2030

7.2 Global Carbon Nanotube (CNT) Production by Region (2019-2030)

7.2.1 Global Carbon Nanotube (CNT) Production by Region: 2019-2024

7.2.2 Global Carbon Nanotube (CNT) Production by Region (2025-2030)

7.3 Global Carbon Nanotube (CNT) Production by Region: 2019 VS 2023 VS 2030

7.4 Global Carbon Nanotube (CNT) Production Value by Region (2019-2030)

7.4.1 Global Carbon Nanotube (CNT) Production Value by Region: 2019-2024

7.4.2 Global Carbon Nanotube (CNT) Production Value by Region (2025-2030)

7.5 Global Carbon Nanotube (CNT) Market Price Analysis by Region (2019-2024)

7.6 Regional Production Value Trends (2019-2030)

7.6.1 North America Carbon Nanotube (CNT) Production Value (2019-2030)

7.6.2 Europe Carbon Nanotube (CNT) Production Value (2019-2030)

7.6.3 Asia-Pacific Carbon Nanotube (CNT) Production Value (2019-2030)

7.6.4 Latin America Carbon Nanotube (CNT) Production Value (2019-2030)

7.6.5 Middle East & Africa Carbon Nanotube (CNT) Production Value (2019-2030)

8 GLOBAL CARBON NANOTUBE (CNT) CONSUMPTION BY REGION

8.1 Global Carbon Nanotube (CNT) Consumption by Region: 2019 VS 2023 VS 2030

8.2 Global Carbon Nanotube (CNT) Consumption by Region (2019-2030)

8.2.1 Global Carbon Nanotube (CNT) Consumption by Region (2019-2024)

8.2.2 Global Carbon Nanotube (CNT) Consumption by Region (2025-2030)

8.3 North America

8.3.1 North America Carbon Nanotube (CNT) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.3.2 North America Carbon Nanotube (CNT) Consumption by Country (2019-2030)

8.3.3 U.S.

8.3.4 Canada

8.4 Europe

8.4.1 Europe Carbon Nanotube (CNT) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030

8.4.2 Europe Carbon Nanotube (CNT) Consumption by Country (2019-2030)

8.4.3 Germany

8.4.4 France

8.4.5 U.K.

8.4.6 Italy

8.4.7 Netherlands

8.5 Asia Pacific

8.5.1 Asia Pacific Carbon Nanotube (CNT) Consumption Growth Rate by Country:
2019 VS 2023 VS 2030

8.5.2 Asia Pacific Carbon Nanotube (CNT) Consumption by Country (2019-2030)

8.5.3 China

8.5.4 Japan

8.5.5 South Korea

8.5.6 Southeast Asia

8.5.7 India

8.5.8 Australia

8.6 LAMEA

8.6.1 LAMEA Carbon Nanotube (CNT) Consumption Growth Rate by Country: 2019
VS 2023 VS 2030

8.6.2 LAMEA Carbon Nanotube (CNT) Consumption by Country (2019-2030)

8.6.3 Mexico

8.6.4 Brazil

8.6.5 Turkey

8.6.6 GCC Countries

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

9.1 Carbon Nanotube (CNT) Value Chain Analysis

9.1.1 Carbon Nanotube (CNT) Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Carbon Nanotube (CNT) Production Mode & Process

9.2 Carbon Nanotube (CNT) Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Carbon Nanotube (CNT) Distributors

9.2.3 Carbon Nanotube (CNT) Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

11.6 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. Carbon Nanotube (CNT) Industry Trends
- Table 2. Carbon Nanotube (CNT) Industry Drivers
- Table 3. Carbon Nanotube (CNT) Industry Opportunities and Challenges
- Table 4. Carbon Nanotube (CNT) Industry Restraints
- Table 5. Global Carbon Nanotube (CNT) Production Value by Manufacturers (US\$ Million) & (2019-2024)
- Table 6. Global Carbon Nanotube (CNT) Production Value Market Share by Manufacturers (2019-2024)
- Table 7. Global Carbon Nanotube (CNT) Production by Manufacturers (MT) & (2019-2024)
- Table 8. Global Carbon Nanotube (CNT) Production Market Share by Manufacturers
- Table 9. Global Carbon Nanotube (CNT) Average Price (K USD/MT) of Manufacturers (2019-2024)
- Table 10. Global Carbon Nanotube (CNT) Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- Table 11. Global Carbon Nanotube (CNT) Industry Manufacturers Ranking, 2022 VS 2023 VS 2024
- Table 12. Global Carbon Nanotube (CNT) Key Manufacturers Manufacturing Sites & Headquarters
- Table 13. Global Carbon Nanotube (CNT) Manufacturers, Product Type & Application
- Table 14. Global Carbon Nanotube (CNT) Manufacturers Commercialization Time
- Table 15. Global Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 16. Global Carbon Nanotube (CNT) by Manufacturers Type (Tier 1, Tier 2, and Tier 3) & (based on the Production Value of 2023)
- Table 17. Major Manufacturers of SWNTs
- Table 18. Major Manufacturers of MWNTs
- Table 19. Global Carbon Nanotube (CNT) Production by type 2019 VS 2023 VS 2030 (MT)
- Table 20. Global Carbon Nanotube (CNT) Production by type (2019-2024) & (MT)
- Table 21. Global Carbon Nanotube (CNT) Production by type (2025-2030) & (MT)
- Table 22. Global Carbon Nanotube (CNT) Production Market Share by type (2019-2024)
- Table 23. Global Carbon Nanotube (CNT) Production Market Share by type (2025-2030)
- Table 24. Global Carbon Nanotube (CNT) Production Value by type 2019 VS 2023 VS

2030 (MT)

Table 25. Global Carbon Nanotube (CNT) Production Value by type (2019-2024) & (MT)

Table 26. Global Carbon Nanotube (CNT) Production Value by type (2025-2030) & (MT)

Table 27. Global Carbon Nanotube (CNT) Production Value Market Share by type (2019-2024)

Table 28. Global Carbon Nanotube (CNT) Production Value Market Share by type (2025-2030)

Table 29. Major Manufacturers of Lithium Battery

Table 30. Major Manufacturers of Conductive Plastics

Table 31. Global Carbon Nanotube (CNT) Production by application 2019 VS 2023 VS 2030 (MT)

Table 32. Global Carbon Nanotube (CNT) Production by application (2019-2024) & (MT)

Table 33. Global Carbon Nanotube (CNT) Production by application (2025-2030) & (MT)

Table 34. Global Carbon Nanotube (CNT) Production Market Share by application (2019-2024)

Table 35. Global Carbon Nanotube (CNT) Production Market Share by application (2025-2030)

Table 36. Global Carbon Nanotube (CNT) Production Value by application 2019 VS 2023 VS 2030 (MT)

Table 37. Global Carbon Nanotube (CNT) Production Value by application (2019-2024) & (MT)

Table 38. Global Carbon Nanotube (CNT) Production Value by application (2025-2030) & (MT)

Table 39. Global Carbon Nanotube (CNT) Production Value Market Share by application (2019-2024)

Table 40. Global Carbon Nanotube (CNT) Production Value Market Share by application (2025-2030)

Table 41. Showa Denko Company Information

Table 42. Showa Denko Business Overview

Table 43. Showa Denko Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 44. Showa Denko Carbon Nanotube (CNT) Product Portfolio

Table 45. Showa Denko Recent Development

Table 46. Nanocyl Company Information

Table 47. Nanocyl Business Overview

Table 48. Nanocyl Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 49. Nanocyl Carbon Nanotube (CNT) Product Portfolio

Table 50. Nanocyl Recent Development

Table 51. Arkema Company Information

Table 52. Arkema Business Overview

Table 53. Arkema Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 54. Arkema Carbon Nanotube (CNT) Product Portfolio

Table 55. Arkema Recent Development

Table 56. Cnano Company Information

Table 57. Cnano Business Overview

Table 58. Cnano Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 59. Cnano Carbon Nanotube (CNT) Product Portfolio

Table 60. Cnano Recent Development

Table 61. Hanwha Company Information

Table 62. Hanwha Business Overview

Table 63. Hanwha Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 64. Hanwha Carbon Nanotube (CNT) Product Portfolio

Table 65. Hanwha Recent Development

Table 66. Raymor Company Information

Table 67. Raymor Business Overview

Table 68. Raymor Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 69. Raymor Carbon Nanotube (CNT) Product Portfolio

Table 70. Raymor Recent Development

Table 71. OCSiAl Company Information

Table 72. OCSiAl Business Overview

Table 73. OCSiAl Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 74. OCSiAl Carbon Nanotube (CNT) Product Portfolio

Table 75. OCSiAl Recent Development

Table 76. Klean Commodities Company Information

Table 77. Klean Commodities Business Overview

Table 78. Klean Commodities Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

Table 79. Klean Commodities Carbon Nanotube (CNT) Product Portfolio

Table 80. Klean Commodities Recent Development

Table 81. Thomas Swan Company Information

- Table 82. Thomas Swan Business Overview
- Table 83. Thomas Swan Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 84. Thomas Swan Carbon Nanotube (CNT) Product Portfolio
- Table 85. Thomas Swan Recent Development
- Table 86. KUMHO PETROCHEMICAL Company Information
- Table 87. KUMHO PETROCHEMICAL Business Overview
- Table 88. KUMHO PETROCHEMICAL Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 89. KUMHO PETROCHEMICAL Carbon Nanotube (CNT) Product Portfolio
- Table 90. KUMHO PETROCHEMICAL Recent Development
- Table 91. Timesnano Company Information
- Table 92. Timesnano Business Overview
- Table 93. Timesnano Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 94. Timesnano Carbon Nanotube (CNT) Product Portfolio
- Table 95. Timesnano Recent Development
- Table 96. Shanghai kajet Company Information
- Table 97. Shanghai kajet Business Overview
- Table 98. Shanghai kajet Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 99. Shanghai kajet Carbon Nanotube (CNT) Product Portfolio
- Table 100. Shanghai kajet Recent Development
- Table 101. SSZK Company Information
- Table 102. SSZK Business Overview
- Table 103. SSZK Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 104. SSZK Carbon Nanotube (CNT) Product Portfolio
- Table 105. SSZK Recent Development
- Table 106. Dknono Company Information
- Table 107. Dknono Business Overview
- Table 108. Dknono Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 109. Dknono Carbon Nanotube (CNT) Product Portfolio
- Table 110. Dknono Recent Development
- Table 111. LG Chem Company Information
- Table 112. LG Chem Business Overview
- Table 113. LG Chem Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)

- Table 114. LG Chem Carbon Nanotube (CNT) Product Portfolio
- Table 115. LG Chem Recent Development
- Table 116. SUSN Company Information
- Table 117. SUSN Business Overview
- Table 118. SUSN Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 119. SUSN Carbon Nanotube (CNT) Product Portfolio
- Table 120. SUSN Recent Development
- Table 121. Haoxin Thchnology Company Information
- Table 122. Haoxin Thchnology Business Overview
- Table 123. Haoxin Thchnology Carbon Nanotube (CNT) Production (MT), Value (US\$ Million), Price (K USD/MT) and Gross Margin (2019-2024)
- Table 124. Haoxin Thchnology Carbon Nanotube (CNT) Product Portfolio
- Table 125. Haoxin Thchnology Recent Development
- Table 126. Global Carbon Nanotube (CNT) Production by Region: 2019 VS 2023 VS 2030 (MT)
- Table 127. Global Carbon Nanotube (CNT) Production by Region (2019-2024) & (MT)
- Table 128. Global Carbon Nanotube (CNT) Production Market Share by Region (2019-2024)
- Table 129. Global Carbon Nanotube (CNT) Production Forecast by Region (2025-2030) & (MT)
- Table 130. Global Carbon Nanotube (CNT) Production Market Share Forecast by Region (2025-2030)
- Table 131. Global Carbon Nanotube (CNT) Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)
- Table 132. Global Carbon Nanotube (CNT) Production Value by Region (2019-2024) & (US\$ Million)
- Table 133. Global Carbon Nanotube (CNT) Production Value Forecast by Region (2025-2030) & (US\$ Million)
- Table 134. Global Carbon Nanotube (CNT) Production Value Share Forecast by Region: (2025-2030) & (US\$ Million)
- Table 135. Global Carbon Nanotube (CNT) Market Average Price (K USD/MT) by Region (2019-2024)
- Table 136. Global Carbon Nanotube (CNT) Market Average Price (K USD/MT) by Region (2025-2030)
- Table 137. Global Carbon Nanotube (CNT) Consumption by Region: 2019 VS 2023 VS 2030 (MT)
- Table 138. Global Carbon Nanotube (CNT) Consumption by Region (2019-2024) & (MT)

Table 139. Global Carbon Nanotube (CNT) Consumption Market Share by Region (2019-2024)

Table 140. Global Carbon Nanotube (CNT) Consumption Forecasted by Region (2025-2030) & (MT)

Table 141. Global Carbon Nanotube (CNT) Consumption Forecasted Market Share by Region (2025-2030)

Table 142. North America Carbon Nanotube (CNT) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 143. North America Carbon Nanotube (CNT) Consumption by Country (2019-2024) & (MT)

Table 144. North America Carbon Nanotube (CNT) Consumption by Country (2025-2030) & (MT)

Table 145. Europe Carbon Nanotube (CNT) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 146. Europe Carbon Nanotube (CNT) Consumption by Country (2019-2024) & (MT)

Table 147. Europe Carbon Nanotube (CNT) Consumption by Country (2025-2030) & (MT)

Table 148. Asia Pacific Carbon Nanotube (CNT) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 149. Asia Pacific Carbon Nanotube (CNT) Consumption by Country (2019-2024) & (MT)

Table 150. Asia Pacific Carbon Nanotube (CNT) Consumption by Country (2025-2030) & (MT)

Table 151. LAMEA Carbon Nanotube (CNT) Consumption Growth Rate by Country: 2019 VS 2023 VS 2030 (MT)

Table 152. LAMEA Carbon Nanotube (CNT) Consumption by Country (2019-2024) & (MT)

Table 153. LAMEA Carbon Nanotube (CNT) Consumption by Country (2025-2030) & (MT)

Table 154. Key Raw Materials

Table 155. Raw Materials Key Suppliers

Table 156. Carbon Nanotube (CNT) Distributors List

Table 157. Carbon Nanotube (CNT) Customers List

Table 158. Research Programs/Design for This Report

Table 159. Authors List of This Report

Table 160. Secondary Sources

Table 161. Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. Carbon Nanotube (CNT) Product Picture
- Figure 2. Global Carbon Nanotube (CNT) Production Value (US\$ Million), 2019 VS 2023 VS 2030
- Figure 3. Global Carbon Nanotube (CNT) Production Value (2019-2030) & (US\$ Million)
- Figure 4. Global Carbon Nanotube (CNT) Production Capacity (2019-2030) & (MT)
- Figure 5. Global Carbon Nanotube (CNT) Production (2019-2030) & (MT)
- Figure 6. Global Carbon Nanotube (CNT) Average Price (K USD/MT) & (2019-2030)
- Figure 7. Global Top 5 and 10 Carbon Nanotube (CNT) Players Market Share by Production Value in 2023
- Figure 8. Manufacturers Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023
- Figure 9. SWNTs Picture
- Figure 10. MWNTs Picture
- Figure 11. Global Carbon Nanotube (CNT) Production by Type (2019 VS 2023 VS 2030) & (MT)
- Figure 12. Global Carbon Nanotube (CNT) Production Market Share 2019 VS 2023 VS 2030
- Figure 13. Global Carbon Nanotube (CNT) Production Market Share by Type (2019-2030)
- Figure 14. Global Carbon Nanotube (CNT) Production Value by Type (2019 VS 2023 VS 2030) & (MT)
- Figure 15. Global Carbon Nanotube (CNT) Production Value Share 2019 VS 2023 VS 2030
- Figure 16. Global Carbon Nanotube (CNT) Production Value Share by Type (2019-2030)
- Figure 17. Lithium Battery Picture
- Figure 18. Conductive Plastics Picture
- Figure 19. Global Carbon Nanotube (CNT) Production by Application (2019 VS 2023 VS 2030) & (MT)
- Figure 20. Global Carbon Nanotube (CNT) Production Market Share 2019 VS 2023 VS 2030
- Figure 21. Global Carbon Nanotube (CNT) Production Market Share by Application (2019-2030)
- Figure 22. Global Carbon Nanotube (CNT) Production Value by Application (2019 VS 2023 VS 2030) & (MT)
- Figure 23. Global Carbon Nanotube (CNT) Production Value Share 2019 VS 2023 VS

2030

Figure 24. Global Carbon Nanotube (CNT) Production Value Share by Application (2019-2030)

Figure 25. Global Carbon Nanotube (CNT) Production by Region: 2019 VS 2023 VS 2030 (MT)

Figure 26. Global Carbon Nanotube (CNT) Production Market Share by Region: 2019 VS 2023 VS 2030

Figure 27. Global Carbon Nanotube (CNT) Production Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Figure 28. Global Carbon Nanotube (CNT) Production Value Share by Region: 2019 VS 2023 VS 2030

Figure 29. North America Carbon Nanotube (CNT) Production Value (2019-2030) & (US\$ Million)

Figure 30. Europe Carbon Nanotube (CNT) Production Value (2019-2030) & (US\$ Million)

Figure 31. Asia-Pacific Carbon Nanotube (CNT) Production Value (2019-2030) & (US\$ Million)

Figure 32. Latin America Carbon Nanotube (CNT) Production Value (2019-2030) & (US\$ Million)

Figure 33. Middle East & Africa Carbon Nanotube (CNT) Production Value (2019-2030) & (US\$ Million)

Figure 34. North America Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)

Figure 35. North America Carbon Nanotube (CNT) Consumption Market Share by Country (2019-2030)

Figure 36. U.S. Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)

Figure 37. Canada Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)

Figure 38. Europe Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)

Figure 39. Europe Carbon Nanotube (CNT) Consumption Market Share by Country (2019-2030)

Figure 40. Germany Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)

Figure 41. France Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)

Figure 42. U.K. Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)

- Figure 43. Italy Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 44. Netherlands Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 45. Asia Pacific Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 46. Asia Pacific Carbon Nanotube (CNT) Consumption Market Share by Country (2019-2030)
- Figure 47. China Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 48. Japan Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 49. South Korea Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 50. Southeast Asia Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 51. India Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 52. Australia Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 53. LAMEA Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 54. LAMEA Carbon Nanotube (CNT) Consumption Market Share by Country (2019-2030)
- Figure 55. Mexico Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 56. Brazil Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 57. Turkey Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 58. GCC Countries Carbon Nanotube (CNT) Consumption and Growth Rate (2019-2030) & (MT)
- Figure 59. Carbon Nanotube (CNT) Value Chain
- Figure 60. Manufacturing Cost Structure
- Figure 61. Carbon Nanotube (CNT) Production Mode & Process
- Figure 62. Direct Comparison with Distribution Share
- Figure 63. Distributors Profiles
- Figure 64. Years Considered
- Figure 65. Research Process

Figure 66. Key Executives Interviewed

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