

# Double-walled Carbon Nanotubes (DWNTs) Market, Global Outlook and Forecast 2022-2028

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## Abstracts

Double-walled carbon nanotubes (DWCNTs) belong to the family of one-dimensional materials, similar to single-walled carbon nanotubes. This particular class of carbon nanotube consists of two nanotubes, with one nested within the other. The differences in the diameters of the two nanotubes can produce varying degrees of interaction between the two tubes. This allows for modifications to be made to the outer nanotube without altering the inner nanotube's properties, and results in unique and interesting properties. Additionally, DWCNTs enable a combination of solubility and functionality (which is not possible with single-walled carbon nanotubes).

This report contains market size and forecasts of Double-walled Carbon Nanotubes (DWNTs) in global, including the following market information:

Global Double-walled Carbon Nanotubes (DWNTs) Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Double-walled Carbon Nanotubes (DWNTs) Market Sales, 2017-2022, 2023-2028, (MT)

Global top five Double-walled Carbon Nanotubes (DWNTs) companies in 2021 (%)

The global Double-walled Carbon Nanotubes (DWNTs) market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

OH Functionalized DWCNTs Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Double-walled Carbon Nanotubes (DWNTs) include OCSiAl, Nanocyl, Hanwha Chemical, Timesnano, Nanoshel LLC, Toray, Aray International, US Research Nanomaterials and NanoResearch Elements, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Double-walled Carbon Nanotubes (DWNTs) manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Double-walled Carbon Nanotubes (DWNTs) Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (MT)

Global Double-walled Carbon Nanotubes (DWNTs) Market Segment Percentages, by Type, 2021 (%)

OH Functionalized DWCNTs

COOH Functionalized DWCNTs

Global Double-walled Carbon Nanotubes (DWNTs) Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (MT)

Global Double-walled Carbon Nanotubes (DWNTs) Market Segment Percentages, by Application, 2021 (%)

Energy

Electronics

Biological

Others

Global Double-walled Carbon Nanotubes (DWNTs) Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (MT)

Global Double-walled Carbon Nanotubes (DWNTs) Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

## Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Double-walled Carbon Nanotubes (DWNTs) revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Double-walled Carbon Nanotubes (DWNTs) revenues share in global market, 2021 (%)

Key companies Double-walled Carbon Nanotubes (DWNTs) sales in global market, 2017-2022 (Estimated), (MT)

Key companies Double-walled Carbon Nanotubes (DWNTs) sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

OCSiAl

Nanocyl

Hanwha Chemical

Timesnano

Nanoshel LLC

Toray

Arry International

US Research Nanomaterials

NanoResearch Elements

Beijing Dk Nano Technology

Shenzhen Nanotech Port

## Contents

### **1 INTRODUCTION TO RESEARCH & ANALYSIS REPORTS**

- 1.1 Double-walled Carbon Nanotubes (DWNTs) Market Definition
- 1.2 Market Segments
  - 1.2.1 Market by Type
  - 1.2.2 Market by Application
- 1.3 Global Double-walled Carbon Nanotubes (DWNTs) Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
  - 1.5.1 Research Methodology
  - 1.5.2 Research Process
  - 1.5.3 Base Year
  - 1.5.4 Report Assumptions & Caveats

### **2 GLOBAL DOUBLE-WALLED CARBON NANOTUBES (DWNTS) OVERALL MARKET SIZE**

- 2.1 Global Double-walled Carbon Nanotubes (DWNTs) Market Size: 2021 VS 2028
- 2.2 Global Double-walled Carbon Nanotubes (DWNTs) Revenue, Prospects & Forecasts: 2017-2028
- 2.3 Global Double-walled Carbon Nanotubes (DWNTs) Sales: 2017-2028

### **3 COMPANY LANDSCAPE**

- 3.1 Top Double-walled Carbon Nanotubes (DWNTs) Players in Global Market
- 3.2 Top Global Double-walled Carbon Nanotubes (DWNTs) Companies Ranked by Revenue
- 3.3 Global Double-walled Carbon Nanotubes (DWNTs) Revenue by Companies
- 3.4 Global Double-walled Carbon Nanotubes (DWNTs) Sales by Companies
- 3.5 Global Double-walled Carbon Nanotubes (DWNTs) Price by Manufacturer (2017-2022)
- 3.6 Top 3 and Top 5 Double-walled Carbon Nanotubes (DWNTs) Companies in Global Market, by Revenue in 2021
- 3.7 Global Manufacturers Double-walled Carbon Nanotubes (DWNTs) Product Type
- 3.8 Tier 1, Tier 2 and Tier 3 Double-walled Carbon Nanotubes (DWNTs) Players in Global Market
  - 3.8.1 List of Global Tier 1 Double-walled Carbon Nanotubes (DWNTs) Companies

### 3.8.2 List of Global Tier 2 and Tier 3 Double-walled Carbon Nanotubes (DWNTs) Companies

## 4 SIGHTS BY PRODUCT

### 4.1 Overview

4.1.1 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Market Size Markets, 2021 & 2028

4.1.2 OH Functionalized DWCNTs

4.1.3 COOH Functionalized DWCNTs

### 4.2 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Revenue & Forecasts

4.2.1 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2022

4.2.2 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Revenue, 2023-2028

4.2.3 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028

### 4.3 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Sales & Forecasts

4.3.1 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2022

4.3.2 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Sales, 2023-2028

4.3.3 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028

4.4 By Type - Global Double-walled Carbon Nanotubes (DWNTs) Price (Manufacturers Selling Prices), 2017-2028

## 5 SIGHTS BY APPLICATION

### 5.1 Overview

5.1.1 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Market Size, 2021 & 2028

5.1.2 Energy

5.1.3 Electronics

5.1.4 Biological

5.1.5 Others

5.2 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Revenue & Forecasts

5.2.1 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2022

5.2.2 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Revenue,

2023-2028

5.2.3 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028

5.3 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Sales & Forecasts

5.3.1 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2022

5.3.2 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Sales, 2023-2028

5.3.3 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028

5.4 By Application - Global Double-walled Carbon Nanotubes (DWNTs) Price (Manufacturers Selling Prices), 2017-2028

## **6 SIGHTS BY REGION**

6.1 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Market Size, 2021 & 2028

6.2 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Revenue & Forecasts

6.2.1 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2022

6.2.2 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Revenue, 2023-2028

6.2.3 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028

6.3 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Sales & Forecasts

6.3.1 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2022

6.3.2 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Sales, 2023-2028

6.3.3 By Region - Global Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028

6.4 North America

6.4.1 By Country - North America Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2028

6.4.2 By Country - North America Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2028

6.4.3 US Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028



6.4.4 Canada Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.4.5 Mexico Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

## 6.5 Europe

6.5.1 By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2028

6.5.2 By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2028

6.5.3 Germany Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.5.4 France Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.5.5 U.K. Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.5.6 Italy Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.5.7 Russia Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.5.8 Nordic Countries Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.5.9 Benelux Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

## 6.6 Asia

6.6.1 By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2028

6.6.2 By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2028

6.6.3 China Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.6.4 Japan Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.6.5 South Korea Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.6.6 Southeast Asia Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.6.7 India Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

## 6.7 South America

6.7.1 By Country - South America Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2028

6.7.2 By Country - South America Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2028

6.7.3 Brazil Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

6.7.4 Argentina Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

## 6.8 Middle East & Africa

6.8.1 By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2028

6.8.2 By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Sales, 2017-2028

6.8.3 Turkey Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

- 6.8.4 Israel Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028
- 6.8.5 Saudi Arabia Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028
- 6.8.6 UAE Double-walled Carbon Nanotubes (DWNTs) Market Size, 2017-2028

## **7 MANUFACTURERS & BRANDS PROFILES**

### 7.1 OCSiAl

- 7.1.1 OCSiAl Corporate Summary
- 7.1.2 OCSiAl Business Overview
- 7.1.3 OCSiAl Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings
- 7.1.4 OCSiAl Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)
- 7.1.5 OCSiAl Key News

### 7.2 Nanocyl

- 7.2.1 Nanocyl Corporate Summary
- 7.2.2 Nanocyl Business Overview
- 7.2.3 Nanocyl Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings
- 7.2.4 Nanocyl Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)
- 7.2.5 Nanocyl Key News

### 7.3 Hanwha Chemical

- 7.3.1 Hanwha Chemical Corporate Summary
- 7.3.2 Hanwha Chemical Business Overview
- 7.3.3 Hanwha Chemical Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings
- 7.3.4 Hanwha Chemical Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)
- 7.3.5 Hanwha Chemical Key News

### 7.4 Timesnano

- 7.4.1 Timesnano Corporate Summary
- 7.4.2 Timesnano Business Overview
- 7.4.3 Timesnano Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings
- 7.4.4 Timesnano Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)
- 7.4.5 Timesnano Key News

### 7.5 Nanoshel LLC

- 7.5.1 Nanoshel LLC Corporate Summary
- 7.5.2 Nanoshel LLC Business Overview

7.5.3 Nanoshel LLC Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings

7.5.4 Nanoshel LLC Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)

7.5.5 Nanoshel LLC Key News

7.6 Toray

7.6.1 Toray Corporate Summary

7.6.2 Toray Business Overview

7.6.3 Toray Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings

7.6.4 Toray Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)

7.6.5 Toray Key News

7.7 Aray International

7.7.1 Aray International Corporate Summary

7.7.2 Aray International Business Overview

7.7.3 Aray International Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings

7.7.4 Aray International Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)

7.7.5 Aray International Key News

7.8 US Research Nanomaterials

7.8.1 US Research Nanomaterials Corporate Summary

7.8.2 US Research Nanomaterials Business Overview

7.8.3 US Research Nanomaterials Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings

7.8.4 US Research Nanomaterials Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)

7.8.5 US Research Nanomaterials Key News

7.9 NanoResearch Elements

7.9.1 NanoResearch Elements Corporate Summary

7.9.2 NanoResearch Elements Business Overview

7.9.3 NanoResearch Elements Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings

7.9.4 NanoResearch Elements Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)

7.9.5 NanoResearch Elements Key News

7.10 Beijing Dk Nano Technology

7.10.1 Beijing Dk Nano Technology Corporate Summary

7.10.2 Beijing Dk Nano Technology Business Overview

7.10.3 Beijing Dk Nano Technology Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings

7.10.4 Beijing Dk Nano Technology Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)

7.10.5 Beijing Dk Nano Technology Key News

7.11 Shenzhen Nanotech Port

7.11.1 Shenzhen Nanotech Port Corporate Summary

7.11.2 Shenzhen Nanotech Port Double-walled Carbon Nanotubes (DWNTs) Business Overview

7.11.3 Shenzhen Nanotech Port Double-walled Carbon Nanotubes (DWNTs) Major Product Offerings

7.11.4 Shenzhen Nanotech Port Double-walled Carbon Nanotubes (DWNTs) Sales and Revenue in Global (2017-2022)

7.11.5 Shenzhen Nanotech Port Key News

## **8 GLOBAL DOUBLE-WALLED CARBON NANOTUBES (DWNTS) PRODUCTION CAPACITY, ANALYSIS**

8.1 Global Double-walled Carbon Nanotubes (DWNTs) Production Capacity, 2017-2028

8.2 Double-walled Carbon Nanotubes (DWNTs) Production Capacity of Key Manufacturers in Global Market

8.3 Global Double-walled Carbon Nanotubes (DWNTs) Production by Region

## **9 KEY MARKET TRENDS, OPPORTUNITY, DRIVERS AND RESTRAINTS**

9.1 Market Opportunities & Trends

9.2 Market Drivers

9.3 Market Restraints

## **10 DOUBLE-WALLED CARBON NANOTUBES (DWNTS) SUPPLY CHAIN ANALYSIS**

10.1 Double-walled Carbon Nanotubes (DWNTs) Industry Value Chain

10.2 Double-walled Carbon Nanotubes (DWNTs) Upstream Market

10.3 Double-walled Carbon Nanotubes (DWNTs) Downstream and Clients

10.4 Marketing Channels Analysis

10.4.1 Marketing Channels

10.4.2 Double-walled Carbon Nanotubes (DWNTs) Distributors and Sales Agents in Global

## **11 CONCLUSION**

## **12 APPENDIX**

12.1 Note

12.2 Examples of Clients

12.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Key Players of Double-walled Carbon Nanotubes (DWNTs) in Global Market

Table 2. Top Double-walled Carbon Nanotubes (DWNTs) Players in Global Market, Ranking by Revenue (2021)

Table 3. Global Double-walled Carbon Nanotubes (DWNTs) Revenue by Companies, (US\$, Mn), 2017-2022

Table 4. Global Double-walled Carbon Nanotubes (DWNTs) Revenue Share by Companies, 2017-2022

Table 5. Global Double-walled Carbon Nanotubes (DWNTs) Sales by Companies, (MT), 2017-2022

Table 6. Global Double-walled Carbon Nanotubes (DWNTs) Sales Share by Companies, 2017-2022

Table 7. Key Manufacturers Double-walled Carbon Nanotubes (DWNTs) Price (2017-2022) & (USD/Kg)

Table 8. Global Manufacturers Double-walled Carbon Nanotubes (DWNTs) Product Type

Table 9. List of Global Tier 1 Double-walled Carbon Nanotubes (DWNTs) Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 10. List of Global Tier 2 and Tier 3 Double-walled Carbon Nanotubes (DWNTs) Companies, Revenue (US\$, Mn) in 2021 and Market Share

Table 11. By Type – Global Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2021 & 2028

Table 12. By Type - Global Double-walled Carbon Nanotubes (DWNTs) Revenue (US\$, Mn), 2017-2022

Table 13. By Type - Global Double-walled Carbon Nanotubes (DWNTs) Revenue (US\$, Mn), 2023-2028

Table 14. By Type - Global Double-walled Carbon Nanotubes (DWNTs) Sales (MT), 2017-2022

Table 15. By Type - Global Double-walled Carbon Nanotubes (DWNTs) Sales (MT), 2023-2028

Table 16. By Application – Global Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2021 & 2028

Table 17. By Application - Global Double-walled Carbon Nanotubes (DWNTs) Revenue (US\$, Mn), 2017-2022

Table 18. By Application - Global Double-walled Carbon Nanotubes (DWNTs) Revenue (US\$, Mn), 2023-2028

Table 19. By Application - Global Double-walled Carbon Nanotubes (DWNTs) Sales (MT), 2017-2022

Table 20. By Application - Global Double-walled Carbon Nanotubes (DWNTs) Sales (MT), 2023-2028

Table 21. By Region – Global Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2021 VS 2028

Table 22. By Region - Global Double-walled Carbon Nanotubes (DWNTs) Revenue (US\$, Mn), 2017-2022

Table 23. By Region - Global Double-walled Carbon Nanotubes (DWNTs) Revenue (US\$, Mn), 2023-2028

Table 24. By Region - Global Double-walled Carbon Nanotubes (DWNTs) Sales (MT), 2017-2022

Table 25. By Region - Global Double-walled Carbon Nanotubes (DWNTs) Sales (MT), 2023-2028

Table 26. By Country - North America Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2022

Table 27. By Country - North America Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2023-2028

Table 28. By Country - North America Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2017-2022

Table 29. By Country - North America Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2023-2028

Table 30. By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2022

Table 31. By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2023-2028

Table 32. By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2017-2022

Table 33. By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2023-2028

Table 34. By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2022

Table 35. By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2023-2028

Table 36. By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2017-2022

Table 37. By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2023-2028

Table 38. By Country - South America Double-walled Carbon Nanotubes (DWNTs)

Revenue, (US\$, Mn), 2017-2022

Table 39. By Country - South America Double-walled Carbon Nanotubes (DWNTs)

Revenue, (US\$, Mn), 2023-2028

Table 40. By Country - South America Double-walled Carbon Nanotubes (DWNTs)

Sales, (MT), 2017-2022

Table 41. By Country - South America Double-walled Carbon Nanotubes (DWNTs)

Sales, (MT), 2023-2028

Table 42. By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2022

Table 43. By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2023-2028

Table 44. By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2017-2022

Table 45. By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Sales, (MT), 2023-2028

Table 46. OCSiAl Corporate Summary

Table 47. OCSiAl Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 48. OCSiAl Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 49. Nanocyl Corporate Summary

Table 50. Nanocyl Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 51. Nanocyl Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 52. Hanwha Chemical Corporate Summary

Table 53. Hanwha Chemical Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 54. Hanwha Chemical Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 55. Timesnano Corporate Summary

Table 56. Timesnano Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 57. Timesnano Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 58. Nanoshel LLC Corporate Summary

Table 59. Nanoshel LLC Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 60. Nanoshel LLC Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 61. Toray Corporate Summary

Table 62. Toray Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 63. Toray Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue



(US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 64. Arry International Corporate Summary

Table 65. Arry International Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 66. Arry International Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 67. US Research Nanomaterials Corporate Summary

Table 68. US Research Nanomaterials Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 69. US Research Nanomaterials Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 70. NanoResearch Elements Corporate Summary

Table 71. NanoResearch Elements Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 72. NanoResearch Elements Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 73. Beijing Dk Nano Technology Corporate Summary

Table 74. Beijing Dk Nano Technology Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 75. Beijing Dk Nano Technology Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 76. Shenzhen Nanotech Port Corporate Summary

Table 77. Shenzhen Nanotech Port Double-walled Carbon Nanotubes (DWNTs) Product Offerings

Table 78. Shenzhen Nanotech Port Double-walled Carbon Nanotubes (DWNTs) Sales (MT), Revenue (US\$, Mn) and Average Price (USD/Kg) (2017-2022)

Table 79. Double-walled Carbon Nanotubes (DWNTs) Production Capacity (MT) of Key Manufacturers in Global Market, 2020-2022 (MT)

Table 80. Global Double-walled Carbon Nanotubes (DWNTs) Capacity Market Share of Key Manufacturers, 2020-2022

Table 81. Global Double-walled Carbon Nanotubes (DWNTs) Production by Region, 2017-2022 (MT)

Table 82. Global Double-walled Carbon Nanotubes (DWNTs) Production by Region, 2023-2028 (MT)

Table 83. Double-walled Carbon Nanotubes (DWNTs) Market Opportunities & Trends in Global Market

Table 84. Double-walled Carbon Nanotubes (DWNTs) Market Drivers in Global Market

Table 85. Double-walled Carbon Nanotubes (DWNTs) Market Restraints in Global Market

Table 86. Double-walled Carbon Nanotubes (DWNTs) Raw Materials

Table 87. Double-walled Carbon Nanotubes (DWNTs) Raw Materials Suppliers in Global Market

Table 88. Typical Double-walled Carbon Nanotubes (DWNTs) Downstream

Table 89. Double-walled Carbon Nanotubes (DWNTs) Downstream Clients in Global Market

Table 90. Double-walled Carbon Nanotubes (DWNTs) Distributors and Sales Agents in Global Market

## List Of Figures

### LIST OF FIGURES

- Figure 1. Double-walled Carbon Nanotubes (DWNTs) Segment by Type
- Figure 2. Double-walled Carbon Nanotubes (DWNTs) Segment by Application
- Figure 3. Global Double-walled Carbon Nanotubes (DWNTs) Market Overview: 2021
- Figure 4. Key Caveats
- Figure 5. Global Double-walled Carbon Nanotubes (DWNTs) Market Size: 2021 VS 2028 (US\$, Mn)
- Figure 6. Global Double-walled Carbon Nanotubes (DWNTs) Revenue, 2017-2028 (US\$, Mn)
- Figure 7. Double-walled Carbon Nanotubes (DWNTs) Sales in Global Market: 2017-2028 (MT)
- Figure 8. The Top 3 and 5 Players Market Share by Double-walled Carbon Nanotubes (DWNTs) Revenue in 2021
- Figure 9. By Type - Global Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028
- Figure 10. By Type - Global Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028
- Figure 11. By Type - Global Double-walled Carbon Nanotubes (DWNTs) Price (USD/Kg), 2017-2028
- Figure 12. By Application - Global Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028
- Figure 13. By Application - Global Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028
- Figure 14. By Application - Global Double-walled Carbon Nanotubes (DWNTs) Price (USD/Kg), 2017-2028
- Figure 15. By Region - Global Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028
- Figure 16. By Region - Global Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028
- Figure 17. By Country - North America Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028
- Figure 18. By Country - North America Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028
- Figure 19. US Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028
- Figure 20. Canada Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn),

2017-2028

Figure 21. Mexico Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 22. By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028

Figure 23. By Country - Europe Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028

Figure 24. Germany Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 25. France Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 26. U.K. Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 27. Italy Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 28. Russia Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 29. Nordic Countries Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 30. Benelux Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 31. By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028

Figure 32. By Region - Asia Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028

Figure 33. China Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 34. Japan Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 35. South Korea Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 36. Southeast Asia Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 37. India Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 38. By Country - South America Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028

Figure 39. By Country - South America Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028

Figure 40. Brazil Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 41. Argentina Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 42. By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Revenue Market Share, 2017-2028

Figure 43. By Country - Middle East & Africa Double-walled Carbon Nanotubes (DWNTs) Sales Market Share, 2017-2028

Figure 44. Turkey Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 45. Israel Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 46. Saudi Arabia Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 47. UAE Double-walled Carbon Nanotubes (DWNTs) Revenue, (US\$, Mn), 2017-2028

Figure 48. Global Double-walled Carbon Nanotubes (DWNTs) Production Capacity (MT), 2017-2028

Figure 49. The Percentage of Production Double-walled Carbon Nanotubes (DWNTs) by Region, 2021 VS 2028

Figure 50. Double-walled Carbon Nanotubes (DWNTs) Industry Value Chain

Figure 51. Marketing Channels

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