

## Global Nanotechnology and Nanomaterials Industry Research Report, Competitive Landscape, Market Size, Regional Status and Prospect

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### **Abstracts**

Nanotechnology is the technology that uses the wonderful properties of nanomaterials to create parts and products with specific functions. Some authoritative experts predict that in the future, nanotechnology will 'play in the fields of biomedicine, aerospace, energy and the environment.' Principles and methods for constructing nanostructures and devices for environmental detection, research on properties and mechanisms of nanomaterials and nanostructures, application principles of nanomaterials in pollution control, technology and device development, environmental effects and safety assessment of nanomaterials, nanometers The application of materials in energy conservation and clean energy.

The report combines extensive quantitative analysis and exhaustive qualitative analysis, ranges from a macro overview of the total market size, industry chain, and market dynamics to micro details of segment markets by type, application and region, and, as a result, provides a holistic view of, as well as a deep insight into the Nanotechnology and Nanomaterials market covering all its essential aspects.

For the competitive landscape, the report also introduces players in the industry from the perspective of the market share, concentration ratio, etc., and describes the leading companies in detail, with which the readers can get a better idea of their competitors and acquire an in-depth understanding of the competitive situation. Further, mergers & acquisitions, emerging market trends, the impact of COVID-19, and regional conflicts will all be considered.

In a nutshell, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the market in any manner.

Key players in the global Nanotechnology and Nanomaterials market are covered in Chapter 9:



Nanophase Technologies Corporation

Frontier Carbon Corporation

Altair Nanotechnologies Incorporated

**NanoViricides** 

Hosokawa Micron Group

Access Pharmaceuticals Incorporated

Zyvex

Dendritic NanoTechnologies, Inc.

Quantum Dot Corp

**Evident Technologies** 

Sun Nanotech Company Limited

Nanosys Inc.

**AMCOL International Corporation** 

Hyperion Catalysis International Incorporated

Nanodynamics

Eastman Kodak Company

Abbott Laboratories

Nanomat

In Chapter 5 and Chapter 7.3, based on types, the Nanotechnology and Nanomaterials market from 2017 to 2027 is primarily split into:

Carbon Nanotubes

Nanoclays

**Nanofibers** 

Nanosilver

Quantum Dots

Silicon Oxide Nanopowder

Titanium Dioxide

Zinc Oxide

Nanoporous Materials

In Chapter 6 and Chapter 7.4, based on applications, the Nanotechnology and Nanomaterials market from 2017 to 2027 covers:

Aerospace

Automotive

**Electronics and Semiconductors** 

Medical and Life Sciences

Sensors

Military and Defense

Geographically, the detailed analysis of consumption, revenue, market share and growth rate, historical data and forecast (2017-2027) of the following regions are



covered in Chapter 4 and Chapter 7:

**United States** 

Europe

China

Japan

India

Southeast Asia

Latin America

Middle East and Africa

Client Focus

1. Does this report consider the impact of COVID-19 and the Russia-Ukraine war on the Nanotechnology and Nanomaterials market?

Yes. As the COVID-19 and the Russia-Ukraine war are profoundly affecting the global supply chain relationship and raw material price system, we have definitely taken them into consideration throughout the research, and in Chapters 1.7, 2.7, 4.X.1, 7.5, 8.7, we elaborate at full length on the impact of the pandemic and the war on the Nanotechnology and Nanomaterials Industry.

2. How do you determine the list of the key players included in the report? With the aim of clearly revealing the competitive situation of the industry, we concretely analyze not only the leading enterprises that have a voice on a global scale, but also the regional small and medium-sized companies that play key roles and have plenty of potential growth.

Please find the key player list in Summary.

3. What are your main data sources?

Both Primary and Secondary data sources are being used while compiling the report. Primary sources include extensive interviews of key opinion leaders and industry experts (such as experienced front-line staff, directors, CEOs, and marketing executives), downstream distributors, as well as end-users.

Secondary sources include the research of the annual and financial reports of the top companies, public files, new journals, etc. We also cooperate with some third-party databases.

Please find a more complete list of data sources in Chapters 11.2.1 & 11.2.2.

4. Can I modify the scope of the report and customize it to suit my requirements? Yes. Customized requirements of multi-dimensional, deep-level and high-quality can help our customers precisely grasp market opportunities, effortlessly confront market challenges, properly formulate market strategies and act promptly, thus to win them sufficient time and space for market competition.

Outline

Chapter 1 mainly defines the market scope and introduces the macro overview of the



industry, with an executive summary of different market segments ((by type, application, region, etc.), including the definition, market size, and trend of each market segment. Chapter 2 provides a qualitative analysis of the current status and future trends of the market. Industry Entry Barriers, market drivers, market challenges, emerging markets, consumer preference analysis, together with the impact of the COVID-19 outbreak will all be thoroughly explained.

Chapter 3 analyzes the current competitive situation of the market by providing data regarding the players, including their sales volume and revenue with corresponding market shares, price and gross margin. In addition, information about market concentration ratio, mergers, acquisitions, and expansion plans will also be covered. Chapter 4 focuses on the regional market, presenting detailed data (i.e., sales volume, revenue, price, gross margin) of the most representative regions and countries in the world.

Chapter 5 provides the analysis of various market segments according to product types, covering sales volume, revenue along with market share and growth rate, plus the price analysis of each type.

Chapter 6 shows the breakdown data of different applications, including the consumption and revenue with market share and growth rate, with the aim of helping the readers to take a close-up look at the downstream market.

Chapter 7 provides a combination of quantitative and qualitative analyses of the market size and development trends in the next five years. The forecast information of the whole, as well as the breakdown market, offers the readers a chance to look into the future of the industry.

Chapter 8 is the analysis of the whole market industrial chain, covering key raw materials suppliers and price analysis, manufacturing cost structure analysis, alternative product analysis, also providing information on major distributors, downstream buyers, and the impact of COVID-19 pandemic.

Chapter 9 shares a list of the key players in the market, together with their basic information, product profiles, market performance (i.e., sales volume, price, revenue, gross margin), recent development, SWOT analysis, etc.

Chapter 10 is the conclusion of the report which helps the readers to sum up the main findings and points.

Chapter 11 introduces the market research methods and data sources.

Years considered for this report:

Historical Years: 2017-2021

Base Year: 2021

Estimated Year: 2022

Forecast Period: 2022-2027



### **Contents**

#### 1 NANOTECHNOLOGY AND NANOMATERIALS MARKET OVERVIEW

- 1.1 Product Overview and Scope of Nanotechnology and Nanomaterials Market
- 1.2 Nanotechnology and Nanomaterials Market Segment by Type
- 1.2.1 Global Nanotechnology and Nanomaterials Market Sales Volume and CAGR (%) Comparison by Type (2017-2027)
- 1.3 Global Nanotechnology and Nanomaterials Market Segment by Application
- 1.3.1 Nanotechnology and Nanomaterials Market Consumption (Sales Volume) Comparison by Application (2017-2027)
- 1.4 Global Nanotechnology and Nanomaterials Market, Region Wise (2017-2027)
- 1.4.1 Global Nanotechnology and Nanomaterials Market Size (Revenue) and CAGR (%) Comparison by Region (2017-2027)
- 1.4.2 United States Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.4.3 Europe Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.4.4 China Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.4.5 Japan Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.4.6 India Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.4.7 Southeast Asia Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.4.8 Latin America Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.4.9 Middle East and Africa Nanotechnology and Nanomaterials Market Status and Prospect (2017-2027)
- 1.5 Global Market Size of Nanotechnology and Nanomaterials (2017-2027)
- 1.5.1 Global Nanotechnology and Nanomaterials Market Revenue Status and Outlook (2017-2027)
- 1.5.2 Global Nanotechnology and Nanomaterials Market Sales Volume Status and Outlook (2017-2027)
- 1.6 Global Macroeconomic Analysis
- 1.7 The impact of the Russia-Ukraine war on the Nanotechnology and Nanomaterials Market



#### **2 INDUSTRY OUTLOOK**

- 2.1 Nanotechnology and Nanomaterials Industry Technology Status and Trends
- 2.2 Industry Entry Barriers
  - 2.2.1 Analysis of Financial Barriers
  - 2.2.2 Analysis of Technical Barriers
  - 2.2.3 Analysis of Talent Barriers
- 2.2.4 Analysis of Brand Barrier
- 2.3 Nanotechnology and Nanomaterials Market Drivers Analysis
- 2.4 Nanotechnology and Nanomaterials Market Challenges Analysis
- 2.5 Emerging Market Trends
- 2.6 Consumer Preference Analysis
- 2.7 Nanotechnology and Nanomaterials Industry Development Trends under COVID-19 Outbreak
  - 2.7.1 Global COVID-19 Status Overview
- 2.7.2 Influence of COVID-19 Outbreak on Nanotechnology and Nanomaterials Industry Development

## 3 GLOBAL NANOTECHNOLOGY AND NANOMATERIALS MARKET LANDSCAPE BY PLAYER

- 3.1 Global Nanotechnology and Nanomaterials Sales Volume and Share by Player (2017-2022)
- 3.2 Global Nanotechnology and Nanomaterials Revenue and Market Share by Player (2017-2022)
- 3.3 Global Nanotechnology and Nanomaterials Average Price by Player (2017-2022)
- 3.4 Global Nanotechnology and Nanomaterials Gross Margin by Player (2017-2022)
- 3.5 Nanotechnology and Nanomaterials Market Competitive Situation and Trends
  - 3.5.1 Nanotechnology and Nanomaterials Market Concentration Rate
  - 3.5.2 Nanotechnology and Nanomaterials Market Share of Top 3 and Top 6 Players
  - 3.5.3 Mergers & Acquisitions, Expansion

# 4 GLOBAL NANOTECHNOLOGY AND NANOMATERIALS SALES VOLUME AND REVENUE REGION WISE (2017-2022)

- 4.1 Global Nanotechnology and Nanomaterials Sales Volume and Market Share, Region Wise (2017-2022)
- 4.2 Global Nanotechnology and Nanomaterials Revenue and Market Share, Region Wise (2017-2022)



- 4.3 Global Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.4 United States Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.4.1 United States Nanotechnology and Nanomaterials Market Under COVID-19
- 4.5 Europe Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.5.1 Europe Nanotechnology and Nanomaterials Market Under COVID-19
- 4.6 China Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.6.1 China Nanotechnology and Nanomaterials Market Under COVID-19
- 4.7 Japan Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
  - 4.7.1 Japan Nanotechnology and Nanomaterials Market Under COVID-19
- 4.8 India Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.8.1 India Nanotechnology and Nanomaterials Market Under COVID-19
- 4.9 Southeast Asia Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.9.1 Southeast Asia Nanotechnology and Nanomaterials Market Under COVID-19
- 4.10 Latin America Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.10.1 Latin America Nanotechnology and Nanomaterials Market Under COVID-19
- 4.11 Middle East and Africa Nanotechnology and Nanomaterials Sales Volume, Revenue, Price and Gross Margin (2017-2022)
- 4.11.1 Middle East and Africa Nanotechnology and Nanomaterials Market Under COVID-19

# 5 GLOBAL NANOTECHNOLOGY AND NANOMATERIALS SALES VOLUME, REVENUE, PRICE TREND BY TYPE

- 5.1 Global Nanotechnology and Nanomaterials Sales Volume and Market Share by Type (2017-2022)
- 5.2 Global Nanotechnology and Nanomaterials Revenue and Market Share by Type (2017-2022)
- 5.3 Global Nanotechnology and Nanomaterials Price by Type (2017-2022)
- 5.4 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate by Type (2017-2022)
  - 5.4.1 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth



Rate of Carbon Nanotubes (2017-2022)

- 5.4.2 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Nanoclays (2017-2022)
- 5.4.3 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Nanofibers (2017-2022)
- 5.4.4 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Nanosilver (2017-2022)
- 5.4.5 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Quantum Dots (2017-2022)
- 5.4.6 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Silicon Oxide Nanopowder (2017-2022)
- 5.4.7 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Titanium Dioxide (2017-2022)
- 5.4.8 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Zinc Oxide (2017-2022)
- 5.4.9 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Growth Rate of Nanoporous Materials (2017-2022)

## 6 GLOBAL NANOTECHNOLOGY AND NANOMATERIALS MARKET ANALYSIS BY APPLICATION

- 6.1 Global Nanotechnology and Nanomaterials Consumption and Market Share by Application (2017-2022)
- 6.2 Global Nanotechnology and Nanomaterials Consumption Revenue and Market Share by Application (2017-2022)
- 6.3 Global Nanotechnology and Nanomaterials Consumption and Growth Rate by Application (2017-2022)
- 6.3.1 Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Aerospace (2017-2022)
- 6.3.2 Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Automotive (2017-2022)
- 6.3.3 Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Electronics and Semiconductors (2017-2022)
- 6.3.4 Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Medical and Life Sciences (2017-2022)
- 6.3.5 Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Sensors (2017-2022)
- 6.3.6 Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Military and Defense (2017-2022)



## 7 GLOBAL NANOTECHNOLOGY AND NANOMATERIALS MARKET FORECAST (2022-2027)

- 7.1 Global Nanotechnology and Nanomaterials Sales Volume, Revenue Forecast (2022-2027)
- 7.1.1 Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate Forecast (2022-2027)
- 7.1.2 Global Nanotechnology and Nanomaterials Revenue and Growth Rate Forecast (2022-2027)
- 7.1.3 Global Nanotechnology and Nanomaterials Price and Trend Forecast (2022-2027)
- 7.2 Global Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast, Region Wise (2022-2027)
- 7.2.1 United States Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.2.2 Europe Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.2.3 China Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.2.4 Japan Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.2.5 India Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.2.6 Southeast Asia Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.2.7 Latin America Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.2.8 Middle East and Africa Nanotechnology and Nanomaterials Sales Volume and Revenue Forecast (2022-2027)
- 7.3 Global Nanotechnology and Nanomaterials Sales Volume, Revenue and Price Forecast by Type (2022-2027)
- 7.3.1 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Carbon Nanotubes (2022-2027)
- 7.3.2 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Nanoclays (2022-2027)
- 7.3.3 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Nanofibers (2022-2027)
- 7.3.4 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of



Nanosilver (2022-2027)

- 7.3.5 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Quantum Dots (2022-2027)
- 7.3.6 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Silicon Oxide Nanopowder (2022-2027)
- 7.3.7 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Titanium Dioxide (2022-2027)
- 7.3.8 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Zinc Oxide (2022-2027)
- 7.3.9 Global Nanotechnology and Nanomaterials Revenue and Growth Rate of Nanoporous Materials (2022-2027)
- 7.4 Global Nanotechnology and Nanomaterials Consumption Forecast by Application (2022-2027)
- 7.4.1 Global Nanotechnology and Nanomaterials Consumption Value and Growth Rate of Aerospace(2022-2027)
- 7.4.2 Global Nanotechnology and Nanomaterials Consumption Value and Growth Rate of Automotive(2022-2027)
- 7.4.3 Global Nanotechnology and Nanomaterials Consumption Value and Growth Rate of Electronics and Semiconductors(2022-2027)
- 7.4.4 Global Nanotechnology and Nanomaterials Consumption Value and Growth Rate of Medical and Life Sciences(2022-2027)
- 7.4.5 Global Nanotechnology and Nanomaterials Consumption Value and Growth Rate of Sensors(2022-2027)
- 7.4.6 Global Nanotechnology and Nanomaterials Consumption Value and Growth Rate of Military and Defense(2022-2027)
- 7.5 Nanotechnology and Nanomaterials Market Forecast Under COVID-19

## 8 NANOTECHNOLOGY AND NANOMATERIALS MARKET UPSTREAM AND DOWNSTREAM ANALYSIS

- 8.1 Nanotechnology and Nanomaterials Industrial Chain Analysis
- 8.2 Key Raw Materials Suppliers and Price Analysis
- 8.3 Manufacturing Cost Structure Analysis
  - 8.3.1 Labor Cost Analysis
  - 8.3.2 Energy Costs Analysis
  - 8.3.3 R&D Costs Analysis
- 8.4 Alternative Product Analysis
- 8.5 Major Distributors of Nanotechnology and Nanomaterials Analysis
- 8.6 Major Downstream Buyers of Nanotechnology and Nanomaterials Analysis



8.7 Impact of COVID-19 and the Russia-Ukraine war on the Upstream and Downstream in the Nanotechnology and Nanomaterials Industry

#### 9 PLAYERS PROFILES

- 9.1 Nanophase Technologies Corporation
- 9.1.1 Nanophase Technologies Corporation Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.1.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
- 9.1.3 Nanophase Technologies Corporation Market Performance (2017-2022)
- 9.1.4 Recent Development
- 9.1.5 SWOT Analysis
- 9.2 Frontier Carbon Corporation
- 9.2.1 Frontier Carbon Corporation Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.2.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
- 9.2.3 Frontier Carbon Corporation Market Performance (2017-2022)
- 9.2.4 Recent Development
- 9.2.5 SWOT Analysis
- 9.3 Altair Nanotechnologies Incorporated
- 9.3.1 Altair Nanotechnologies Incorporated Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.3.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.3.3 Altair Nanotechnologies Incorporated Market Performance (2017-2022)
  - 9.3.4 Recent Development
- 9.3.5 SWOT Analysis
- 9.4 NanoViricides
- 9.4.1 NanoViricides Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.4.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.4.3 NanoViricides Market Performance (2017-2022)
  - 9.4.4 Recent Development
  - 9.4.5 SWOT Analysis
- 9.5 Hosokawa Micron Group
- 9.5.1 Hosokawa Micron Group Basic Information, Manufacturing Base, Sales Region



### and Competitors

- 9.5.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
- 9.5.3 Hosokawa Micron Group Market Performance (2017-2022)
- 9.5.4 Recent Development
- 9.5.5 SWOT Analysis
- 9.6 Access Pharmaceuticals Incorporated
- 9.6.1 Access Pharmaceuticals Incorporated Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.6.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.6.3 Access Pharmaceuticals Incorporated Market Performance (2017-2022)
  - 9.6.4 Recent Development
- 9.6.5 SWOT Analysis
- 9.7 Zyvex
  - 9.7.1 Zyvex Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.7.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.7.3 Zyvex Market Performance (2017-2022)
  - 9.7.4 Recent Development
- 9.7.5 SWOT Analysis
- 9.8 Dendritic NanoTechnologies, Inc.
- 9.8.1 Dendritic NanoTechnologies, Inc. Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.8.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
- 9.8.3 Dendritic NanoTechnologies, Inc. Market Performance (2017-2022)
- 9.8.4 Recent Development
- 9.8.5 SWOT Analysis
- 9.9 Quantum Dot Corp
- 9.9.1 Quantum Dot Corp Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.9.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.9.3 Quantum Dot Corp Market Performance (2017-2022)
  - 9.9.4 Recent Development
  - 9.9.5 SWOT Analysis
- 9.10 Evident Technologies
  - 9.10.1 Evident Technologies Basic Information, Manufacturing Base, Sales Region



### and Competitors

- 9.10.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.10.3 Evident Technologies Market Performance (2017-2022)
  - 9.10.4 Recent Development
  - 9.10.5 SWOT Analysis
- 9.11 Sun Nanotech Company Limited
- 9.11.1 Sun Nanotech Company Limited Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.11.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.11.3 Sun Nanotech Company Limited Market Performance (2017-2022)
  - 9.11.4 Recent Development
  - 9.11.5 SWOT Analysis
- 9.12 Nanosys Inc.
- 9.12.1 Nanosys Inc. Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.12.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.12.3 Nanosys Inc. Market Performance (2017-2022)
  - 9.12.4 Recent Development
  - 9.12.5 SWOT Analysis
- 9.13 AMCOL International Corporation
- 9.13.1 AMCOL International Corporation Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.13.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.13.3 AMCOL International Corporation Market Performance (2017-2022)
  - 9.13.4 Recent Development
  - 9.13.5 SWOT Analysis
- 9.14 Hyperion Catalysis International Incorporated
- 9.14.1 Hyperion Catalysis International Incorporated Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.14.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
- 9.14.3 Hyperion Catalysis International Incorporated Market Performance (2017-2022)
- 9.14.4 Recent Development
- 9.14.5 SWOT Analysis
- 9.15 Nanodynamics



- 9.15.1 Nanodynamics Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.15.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.15.3 Nanodynamics Market Performance (2017-2022)
  - 9.15.4 Recent Development
  - 9.15.5 SWOT Analysis
- 9.16 Eastman Kodak Company
- 9.16.1 Eastman Kodak Company Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.16.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
- 9.16.3 Eastman Kodak Company Market Performance (2017-2022)
- 9.16.4 Recent Development
- 9.16.5 SWOT Analysis
- 9.17 Abbott Laboratories
- 9.17.1 Abbott Laboratories Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.17.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.17.3 Abbott Laboratories Market Performance (2017-2022)
  - 9.17.4 Recent Development
  - 9.17.5 SWOT Analysis
- 9.18 Nanomat
- 9.18.1 Nanomat Basic Information, Manufacturing Base, Sales Region and Competitors
- 9.18.2 Nanotechnology and Nanomaterials Product Profiles, Application and Specification
  - 9.18.3 Nanomat Market Performance (2017-2022)
  - 9.18.4 Recent Development
  - 9.18.5 SWOT Analysis

#### 10 RESEARCH FINDINGS AND CONCLUSION

#### 11 APPENDIX

- 11.1 Methodology
- 11.2 Research Data Source







### **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Nanotechnology and Nanomaterials Product Picture

Table Global Nanotechnology and Nanomaterials Market Sales Volume and CAGR (%) Comparison by Type

Table Nanotechnology and Nanomaterials Market Consumption (Sales Volume) Comparison by Application (2017-2027)

Figure Global Nanotechnology and Nanomaterials Market Size (Revenue, Million USD) and CAGR (%) (2017-2027)

Figure United States Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Europe Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure China Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Japan Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure India Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Southeast Asia Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Latin America Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)



Figure Middle East and Africa Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate (2017-2027)

Figure Global Nanotechnology and Nanomaterials Market Sales Volume Status and Outlook (2017-2027)

Table Global Macroeconomic Analysis

Figure Global COVID-19 Status Overview

Table Influence of COVID-19 Outbreak on Nanotechnology and Nanomaterials Industry Development

Table Global Nanotechnology and Nanomaterials Sales Volume by Player (2017-2022)

Table Global Nanotechnology and Nanomaterials Sales Volume Share by Player (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume Share by Player in 2021

Table Nanotechnology and Nanomaterials Revenue (Million USD) by Player (2017-2022)

Table Nanotechnology and Nanomaterials Revenue Market Share by Player (2017-2022)

Table Nanotechnology and Nanomaterials Price by Player (2017-2022)

Table Nanotechnology and Nanomaterials Gross Margin by Player (2017-2022)

Table Mergers & Acquisitions, Expansion Plans

Table Global Nanotechnology and Nanomaterials Sales Volume, Region Wise (2017-2022)

Table Global Nanotechnology and Nanomaterials Sales Volume Market Share, Region Wise (2017-2022)



Figure Global Nanotechnology and Nanomaterials Sales Volume Market Share, Region Wise (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume Market Share, Region Wise in 2021

Table Global Nanotechnology and Nanomaterials Revenue (Million USD), Region Wise (2017-2022)

Table Global Nanotechnology and Nanomaterials Revenue Market Share, Region Wise (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue Market Share, Region Wise (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue Market Share, Region Wise in 2021

Table Global Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table United States Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Europe Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table China Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Japan Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table India Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Southeast Asia Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)



Table Latin America Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Middle East and Africa Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Table Global Nanotechnology and Nanomaterials Sales Volume by Type (2017-2022)

Table Global Nanotechnology and Nanomaterials Sales Volume Market Share by Type (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume Market Share by Type in 2021

Table Global Nanotechnology and Nanomaterials Revenue (Million USD) by Type (2017-2022)

Table Global Nanotechnology and Nanomaterials Revenue Market Share by Type (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue Market Share by Type in 2021

Table Nanotechnology and Nanomaterials Price by Type (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Carbon Nanotubes (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Carbon Nanotubes (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Nanoclays (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanoclays (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Nanofibers (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanofibers (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Nanosilver (2017-2022)



Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanosilver (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Quantum Dots (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Quantum Dots (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Silicon Oxide Nanopowder (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Silicon Oxide Nanopowder (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Titanium Dioxide (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Titanium Dioxide (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Zinc Oxide (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Zinc Oxide (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate of Nanoporous Materials (2017-2022)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanoporous Materials (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption by Application (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption Market Share by Application (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption Revenue (Million USD) by Application (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption Revenue Market Share by Application (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Aerospace (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Automotive (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption and Growth Rate of



Electronics and Semiconductors (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Medical and Life Sciences (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Sensors (2017-2022)

Table Global Nanotechnology and Nanomaterials Consumption and Growth Rate of Military and Defense (2017-2022)

Figure Global Nanotechnology and Nanomaterials Sales Volume and Growth Rate Forecast (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate Forecast (2022-2027)

Figure Global Nanotechnology and Nanomaterials Price and Trend Forecast (2022-2027)

Figure USA Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure USA Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Europe Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Europe Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure China Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure China Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Japan Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Japan Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)



Figure India Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure India Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Southeast Asia Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Southeast Asia Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Latin America Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Latin America Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Figure Middle East and Africa Nanotechnology and Nanomaterials Market Sales Volume and Growth Rate Forecast Analysis (2022-2027)

Figure Middle East and Africa Nanotechnology and Nanomaterials Market Revenue (Million USD) and Growth Rate Forecast Analysis (2022-2027)

Table Global Nanotechnology and Nanomaterials Market Sales Volume Forecast, by Type

Table Global Nanotechnology and Nanomaterials Sales Volume Market Share Forecast, by Type

Table Global Nanotechnology and Nanomaterials Market Revenue (Million USD) Forecast, by Type

Table Global Nanotechnology and Nanomaterials Revenue Market Share Forecast, by Type

Table Global Nanotechnology and Nanomaterials Price Forecast, by Type



Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Carbon Nanotubes (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Carbon Nanotubes (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanoclays (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanoclays (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanofibers (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanofibers (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanosilver (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanosilver (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Quantum Dots (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Quantum Dots (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Silicon Oxide Nanopowder (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Silicon Oxide Nanopowder (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Titanium Dioxide (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Titanium Dioxide (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Zinc Oxide (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Zinc Oxide (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanoporous Materials (2022-2027)

Figure Global Nanotechnology and Nanomaterials Revenue (Million USD) and Growth Rate of Nanoporous Materials (2022-2027)

Table Global Nanotechnology and Nanomaterials Market Consumption Forecast, by Application



Table Global Nanotechnology and Nanomaterials Consumption Market Share Forecast, by Application

Table Global Nanotechnology and Nanomaterials Market Revenue (Million USD) Forecast, by Application

Table Global Nanotechnology and Nanomaterials Revenue Market Share Forecast, by Application

Figure Global Nanotechnology and Nanomaterials Consumption Value (Million USD) and Growth Rate of Aerospace (2022-2027)

Figure Global Nanotechnology and Nanomaterials Consumption Value (Million USD) and Growth Rate of Automotive (2022-2027)

Figure Global Nanotechnology and Nanomaterials Consumption Value (Million USD) and Growth Rate of Electronics and Semiconductors (2022-2027)

Figure Global Nanotechnology and Nanomaterials Consumption Value (Million USD) and Growth Rate of Medical and Life Sciences (2022-2027)

Figure Global Nanotechnology and Nanomaterials Consumption Value (Million USD) and Growth Rate of Sensors (2022-2027)

Figure Global Nanotechnology and Nanomaterials Consumption Value (Million USD) and Growth Rate of Military and Defense (2022-2027)

Figure Nanotechnology and Nanomaterials Industrial Chain Analysis

Table Key Raw Materials Suppliers and Price Analysis

Figure Manufacturing Cost Structure Analysis

**Table Alternative Product Analysis** 

**Table Downstream Distributors** 

**Table Downstream Buyers** 

Table Nanophase Technologies Corporation Profile

Table Nanophase Technologies Corporation Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Nanophase Technologies Corporation Nanotechnology and Nanomaterials Sales Volume and Growth Rate

Figure Nanophase Technologies Corporation Revenue (Million USD) Market Share



#### 2017-2022

Table Frontier Carbon Corporation Profile

Table Frontier Carbon Corporation Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Frontier Carbon Corporation Nanotechnology and Nanomaterials Sales Volume and Growth Rate

Figure Frontier Carbon Corporation Revenue (Million USD) Market Share 2017-2022 Table Altair Nanotechnologies Incorporated Profile

Table Altair Nanotechnologies Incorporated Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Altair Nanotechnologies Incorporated Nanotechnology and Nanomaterials Sales Volume and Growth Rate

Figure Altair Nanotechnologies Incorporated Revenue (Million USD) Market Share 2017-2022

Table NanoViricides Profile

Table NanoViricides Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure NanoViricides Nanotechnology and Nanomaterials Sales Volume and Growth Rate

Figure NanoViricides Revenue (Million USD) Market Share 2017-2022

Table Hosokawa Micron Group Profile

Table Hosokawa Micron Group Nanotechnology and Nanomaterials Sales Volume, Revenue (Million USD), Price and Gross Margin (2017-2022)

Figure Hosokawa Micron Group Nanotechnology and Nanomaterials Sales Volume and Growth Rate

Figure Hosokawa Micron Group Revenue (Million USD) Mark



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