

Nanofibers Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global nanofibers market size reached US\$ 1,272 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 4,875 Million by 2028, exhibiting a growth rate (CAGR) of 24.6% during 2023-2028.

Nanofibers refer to fibers with a diameter less than 100 nanometers. They are synthetically produced and can be customized for various purposes. The diameters of nanofibers can vary and is determined by the kind of polymer used and the method of production. They can be fabricated using several techniques such as magneto spinning, electro spinning, force spinning, rotary jet spinning, etc. These fibers are characterized by their lightweight, flexibility, high porosity and mechanical strength. Additionally, they have controllable pore structures and higher surface-to-volume ratio as compared to the conventional microfibers.

The thriving healthcare industry across the globe is impelling the growth of the market. These fibers, coated with antibodies, are utilized to capture individual cancer cells that are present in the bloodstream and to stimulate the production of cartilage in damaged joints. They are also used in the manufacturing of surgical gowns and disposable face masks. The rising demand for biosensors, of which nanofibers form an integral part, in the healthcare industry, is also contributing to the market growth. Moreover, the textile industry extensively utilizes nanofibers for the production of heat and water-resistant fabrics. In addition to this, fabrics containing nanofibers help protect the skin from ultraviolet (UV) radiation, thereby reducing the chances of developing cancer. Additionally, the growing trend of using nanofibers for sustainable generation of electricity, along with use in the paints and coatings industry for air filtration, is further

creating a positive outlook for the market.

IMARC Group's latest report provides a deep insight into the global nanofibers market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for entrepreneurs, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the nanofibers market in any manner.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global nanofibers market report, along with forecasts at the global and regional levels from 2023-2028. Our report has categorized the market based on product, technology and application.

Breakup by Product:

- Carbon Nanofibers
- Ceramic Nanofibers
- Composite Nanofibers
- Glass Nanofibers
- Metallic Nanofibers
- Polymeric Nanofibers
- Others

Breakup by Technology:

- Magneto Spinning
- Electro Spinning
- Force Spinning
- Rotary Jet Spinning
- Others

Breakup by Application:

- Electronics
- Healthcare and Biotechnology
- Aerospace and Defence

Automotive
Chemicals
Energy and Power
Others

Breakup by Region:

North America
Europe
Asia Pacific
Middle East and Africa
Latin America

Competitive Landscape:

The report has also analysed the competitive landscape of the market along with the profiles of the key players.

Key Questions Answered in This Report

1. How big is the global nanofibers market?
2. What is the expected growth rate of the global nanofibers market during 2023-2028?
3. What are the key factors driving the global nanofibers market?
4. What has been the impact of COVID-19 on the global nanofibers market?
5. What is the breakup of the global nanofibers market based on the product?
6. What is the breakup of the global nanofibers market based on the technology?
7. What is the breakup of the global nanofibers market based on the application?
8. What are the key regions in the global nanofibers market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

2.1 Objectives of the Study

2.2 Stakeholders

2.3 Data Sources

2.3.1 Primary Sources

2.3.2 Secondary Sources

2.4 Market Estimation

2.4.1 Bottom-Up Approach

2.4.2 Top-Down Approach

2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

4.1 Overview

4.2 Key Industry Trends

5 GLOBAL NANOFIBERS MARKET

5.1 Market Overview

5.2 Market Performance

5.3 Impact of COVID-19

5.4 Market Breakup by Product

5.5 Market Breakup by Technology

5.6 Market Breakup by Application

5.7 Market Breakup by Region

5.8 Market Forecast

6 MARKET BREAKUP BY PRODUCT

6.1 Carbon Nanofibers

6.1.1 Market Trends

6.1.2 Market Forecast

6.2 Ceramic Nanofibers

6.2.1 Market Trends

6.2.2 Market Forecast

6.3 Composite Nanofibers

6.3.1 Market Trends

6.3.2 Market Forecast

6.4 Glass Nanofibers

6.4.1 Market Trends

6.4.2 Market Forecast

6.5 Metallic Nanofibers

6.5.1 Market Trends

6.5.2 Market Forecast

6.6 Polymeric Nanofibers

6.6.1 Market Trends

6.6.2 Market Forecast

6.7 Others

6.7.1 Market Trends

6.7.2 Market Forecast

7 MARKET BREAKUP BY TECHNOLOGY

7.1 Magneto Spinning

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Electro Spinning

7.2.1 Market Trends

7.2.2 Market Forecast

7.3 Force Spinning

7.3.1 Market Trends

7.3.2 Market Forecast

7.4 Rotary Jet Spinning

7.4.1 Market Trends

7.4.2 Market Forecast

7.5 Others

7.5.1 Market Trends

7.5.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Electronics
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Healthcare and Biotechnology
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Aerospace and Defence
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Automotive
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Chemicals
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 8.6 Energy and Power
 - 8.6.1 Market Trends
 - 8.6.2 Market Forecast
- 8.7 Others
 - 8.7.1 Market Trends
 - 8.7.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Europe
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Asia Pacific
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast
- 9.4 Middle East and Africa
 - 9.4.1 Market Trends
 - 9.4.2 Market Forecast
- 9.5 Latin America
 - 9.5.1 Market Trends
 - 9.5.2 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTER'S FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players

List Of Tables

LIST OF TABLES

- Table 1: Global: Nanofibers Market: Key Industry Highlights, 2022 and 2028
- Table 2: Global: Nanofibers Market Forecast: Breakup by Product (in Million US\$), 2023-2028
- Table 3: Global: Nanofibers Market Forecast: Breakup by Technology (in Million US\$), 2023-2028
- Table 4: Global: Nanofibers Market Forecast: Breakup by Application (in Million US\$), 2023-2028
- Table 5: Global: Nanofibers Market Forecast: Breakup by Region (in Million US\$), 2023-2028
- Table 6: Global: Nanofibers Market: Competitive Structure
- Table 7: Global: Nanofibers Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Nanofibers Market: Major Drivers and Challenges
- Figure 2: Global: Nanofibers Market: Sales Value (in Million US\$), 2017-2022
- Figure 3: Global: Nanofibers Market: Breakup by Product (in %), 2022
- Figure 4: Global: Nanofibers Market: Breakup by Technology (in %), 2022
- Figure 5: Global: Nanofibers Market: Breakup by Application (in %), 2022
- Figure 6: Global: Nanofibers Market: Breakup by Region (in %), 2022
- Figure 7: Global: Nanofibers Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 8: Global: Nanofibers Industry: SWOT Analysis
- Figure 9: Global: Nanofibers Industry: Value Chain Analysis
- Figure 10: Global: Nanofibers Industry: Porter's Five Forces Analysis
- Figure 11: Global: Nanofibers (Carbon Nanofibers) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 12: Global: Nanofibers (Carbon Nanofibers) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 13: Global: Nanofibers (Ceramic Nanofibers) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 14: Global: Nanofibers (Ceramic Nanofibers) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 15: Global: Nanofibers (Composite Nanofibers) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 16: Global: Nanofibers (Composite Nanofibers) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 17: Global: Nanofibers (Glass Nanofibers) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 18: Global: Nanofibers (Glass Nanofibers) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 19: Global: Nanofibers (Metallic Nanofibers) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 20: Global: Nanofibers (Metallic Nanofibers) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 21: Global: Nanofibers (Polymeric Nanofibers) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 22: Global: Nanofibers (Polymeric Nanofibers) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 23: Global: Nanofibers (Other Product Types) Market: Sales Value (in Million

US\$), 2017 & 2022

Figure 24: Global: Nanofibers (Other Product Types) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: Global: Nanofibers (Magneto Spinning) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: Global: Nanofibers (Magneto Spinning) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Global: Nanofibers (Electro Spinning) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Global: Nanofibers (Electro Spinning) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Global: Nanofibers (Force Spinning) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Global: Nanofibers (Force Spinning) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: Global: Nanofibers (Rotary Jet Spinning) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: Global: Nanofibers (Rotary Jet Spinning) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Global: Nanofibers (Other Technologies) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Global: Nanofibers (Other Technologies) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: Global: Nanofibers (Electronics) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: Global: Nanofibers (Electronics) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: Global: Nanofibers (Healthcare and Biotechnology) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: Global: Nanofibers (Healthcare and Biotechnology) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Global: Nanofibers (Aerospace and Defence) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Global: Nanofibers (Aerospace and Defence) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Global: Nanofibers (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Global: Nanofibers (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Global: Nanofibers (Chemicals) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Global: Nanofibers (Chemicals) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Global: Nanofibers (Energy and Power) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Global: Nanofibers (Energy and Power) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Global: Nanofibers (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Global: Nanofibers (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: North America: Nanofibers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: North America: Nanofibers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: Europe: Nanofibers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: Europe: Nanofibers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Asia Pacific: Nanofibers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Asia Pacific: Nanofibers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Middle East and Africa: Nanofibers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Middle East and Africa: Nanofibers Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Latin America: Nanofibers Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Latin America: Nanofibers Market Forecast: Sales Value (in Million US\$), 2023-2028

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