

# Cellulose Nanoparticles - Global Market Outlook (2017-2026)

https://marketpublishers.com/r/CFAEDFBA98EEN.html

Date: July 2018 Pages: 178 Price: US\$ 4,150.00 (Single User License) ID: CFAEDFBA98EEN

# Abstracts

According to Stratistics MRC, the Global Cellulose Nanoparticles Market is valued at \$176.93 million in 2017 and is expected to grow at a CAGR of 28.0% to reach \$1635.96 million by 2026. Increasing usage of automotive body components, growing demand of cellulose nanoparticles in pharmaceutical and cosmetic industries and easy availability of raw materials are some of the key factors propelling the market growth. However, lack of awareness of cellulose nanoparticles is hindering the market.

Cellulose nanoparticles are a new class of cellulose material that are considered by elevated aspect ratio, biodegradability, distinctly urbanized exact surface, better distribution facility, and existence of proteolytic enzymes. Hence, they can be used as high-quality strengthens fillers in polymers and biodegradable materials, as thickeners in dispersions, and also as drug carriers along with other applications.

Based on High-Volume Applications, paper coating is estimated to have a significant growth in the market. Paper coated with cellulose nanocrystals is used as a printing substrate. Paper coatings impart a range of properties, both decorative (whiteness, opacity, etc.) and functional (smoothness, absorption rate, etc.).

Asia Pacific is expected to have a considerable growth in the market owing to increasing disposable income in countries such as China and India. Subsequently, expansion in the automotive industry in this region is driving the market. China is likely to be one of the leading regional markets across the world due to growth in construction and automotive industries.

Some of the key players in the Cellulose Nanoparticles Market are BASF SE Corp, Cp Kelco, Colorado School Of Mines, Celluforce, Cellucomp Ltd., Borregaard, Bowil



Biotech, Daicel Corp., Blue Goose Biorefineries Inc, Lohmann & Rauscher Inc., Forest Product Laboratories, Zelfo Technologies, Alberta Innovates, Melodia Ltd. and Nippon Paper Crecia Co. Ltd.

Applications Covered:

Low-Volume Applications

**Novel Applications** 

**High-Volume Applications** 

#### **Regions Covered:**

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific



Japan

China

India

Australia

New Zealand

South Korea

**Rest of Asia Pacific** 

#### South America

Argentina

Brazil

Chile

**Rest of South America** 

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:



Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements



## Contents

#### **1 EXECUTIVE SUMMARY**

#### 2 PREFACE

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

#### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 Emerging Markets
- 3.8 Futuristic Market Scenario

#### 4 PORTERS FIVE FORCE ANALYSIS

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

#### **5 GLOBAL CELLULOSE NANOPARTICLES MARKET, BY APPLICATION**



#### 5.1 Introduction

- 5.2 Low-Volume Applications
  - 5.2.1 Industrial-Viscosity Modifiers
  - 5.2.2 Construction-Gypsum Wallboard Facing
  - 5.2.3 Aerospace-Structural
  - 5.2.4 Aerogels-Oil And Gas Industry
  - 5.2.5 Construction-Air And Water Filtration
  - 5.2.6 Construction-Insulation And Soundproofing
  - 5.2.7 Aerospace-Interiors
- 5.3 Novel Applications
  - 5.3.1 Industrial And Medical-Additive Manufacturing
  - 5.3.2 Electronics-Organic Light-Emitting Diodes (Oleds)
  - 5.3.3 Photonic Structures-Films
- 5.4 High-Volume Applications
  - 5.4.1 Paper-Coatings
  - 5.4.2 Packaging-Coating
  - 5.4.3 Packaging-Filler
  - 5.4.4 Automotive-Interiors
  - 5.4.5 Packaging-Fiber/Plastic Replacement
  - 5.4.6 Personal Care-Hygiene And Absorbent Product
  - 5.4.7 Construction-Cement; Pre-Stressed And Pre-Cast Concrete
  - 5.4.8 Automotive-Body Components
  - 5.4.9 Packaging-Film
  - 5.4.10 Paper-Filler

#### **6 GLOBAL CELLULOSE NANOPARTICLES MARKET, BY GEOGRAPHY**

6.1 Introduction
6.2 North America
6.2.1 US
6.2.2 Canada
Mexico
6.3 Europe
6.3.1 Germany
6.3.2 UK
6.3.3 Italy
6.3.4 France
6.3.5 Spain



- 6.3.6 Rest of Europe
- 6.4 Asia Pacific
  - 6.4.1 Japan
  - 6.4.2 China
  - 6.4.3 India
  - 6.4.4 Australia
  - 6.4.5 New Zealand
  - 6.4.6 South Korea
  - 6.4.7 Rest of Asia Pacific
- 6.5 South America
  - 6.5.1 Argentina
  - 6.5.2 Brazil
  - 6.5.3 Chile
  - 6.5.4 Rest of South America
- 6.6 Middle East & Africa
  - 6.6.1 Saudi Arabia
  - 6.6.2 UAE
  - 6.6.3 Qatar
  - 6.6.4 South Africa
  - 6.6.5 Rest of Middle East & Africa

## **7 KEY DEVELOPMENTS**

- 7.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 7.2 Acquisitions & Mergers
- 7.3 New Product Launch
- 7.4 Expansions
- 7.5 Other Key Strategies

## **8 COMPANY PROFILING**

- 8.1 BASF SE Corp
- 8.2 Cp Kelco
- 8.3 Colorado School Of Mines
- 8.4 Celluforce
- 8.5 Cellucomp Ltd.
- 8.6 Borregaard
- 8.7 Bowil Biotech
- 8.8 Daicel Corp.





- 8.9 Blue Goose Biorefineries Inc.
- 8.10 Lohmann & Rauscher Inc.
- 8.11 Forest Product Laboratories
- 8.12 Zelfo Technologies
- 8.13 Alberta Innovates
- 8.14 Melodia Ltd.
- 8.15 Nippon Paper Crecia Co. Ltd.



# **List Of Tables**

#### LIST OF TABLES

Table 1 Global Cellulose Nanoparticles Market Outlook, By Region (2016-2026) (\$MN) Table 2 Global Cellulose Nanoparticles Market Outlook, By Application (2016-2026) (\$MN)

Table 3 Global Cellulose Nanoparticles Market Outlook, By Low-Volume Applications (2016-2026) (\$MN)

Table 4 Global Cellulose Nanoparticles Market Outlook, By Industrial-Viscosity Modifiers (2016-2026) (\$MN)

Table 5 Global Cellulose Nanoparticles Market Outlook, By Construction-Gypsum Wallboard Facing (2016-2026) (\$MN)

Table 6 Global Cellulose Nanoparticles Market Outlook, By Aerospace-Structural (2016-2026) (\$MN)

Table 7 Global Cellulose Nanoparticles Market Outlook, By Aerogels-Oil And Gas Industry (2016-2026) (\$MN)

Table 8 Global Cellulose Nanoparticles Market Outlook, By Construction-Air And Water Filtration (2016-2026) (\$MN)

Table 9 Global Cellulose Nanoparticles Market Outlook, By Construction-Insulation And Soundproofing (2016-2026) (\$MN)

Table 10 Global Cellulose Nanoparticles Market Outlook, By Aerospace-Interiors (2016-2026) (\$MN)

Table 11 Global Cellulose Nanoparticles Market Outlook, By Novel Applications (2016-2026) (\$MN)

Table 12 Global Cellulose Nanoparticles Market Outlook, By Industrial And Medical-Additive Manufacturing (2016-2026) (\$MN)

Table 13 Global Cellulose Nanoparticles Market Outlook, By Electronics-Organic Light-Emitting Diodes (Oleds) (2016-2026) (\$MN)

Table 14 Global Cellulose Nanoparticles Market Outlook, By Photonic Structures-Films (2016-2026) (\$MN)

Table 15 Global Cellulose Nanoparticles Market Outlook, By High-Volume Applications (2016-2026) (\$MN)

Table 16 Global Cellulose Nanoparticles Market Outlook, By Paper-Coatings (2016-2026) (\$MN)

Table 17 Global Cellulose Nanoparticles Market Outlook, By Packaging-Coating (2016-2026) (\$MN)

Table 18 Global Cellulose Nanoparticles Market Outlook, By Packaging-Filler (2016-2026) (\$MN)



Table 19 Global Cellulose Nanoparticles Market Outlook, By Automotive-Interiors (2016-2026) (\$MN)

Table 20 Global Cellulose Nanoparticles Market Outlook, By Packaging-Fiber/Plastic Replacement (2016-2026) (\$MN)

Table 21 Global Cellulose Nanoparticles Market Outlook, By Personal Care-Hygiene And Absorbent Product (2016-2026) (\$MN)

Table 22 Global Cellulose Nanoparticles Market Outlook, By Construction-Cement; Pre-Stressed And Pre-Cast Concrete (2016-2026) (\$MN)

Table 23 Global Cellulose Nanoparticles Market Outlook, By Automotive-Body Components (2016-2026) (\$MN)

Table 24 Global Cellulose Nanoparticles Market Outlook, By Packaging-Film (2016-2026) (\$MN)

Table 25 Global Cellulose Nanoparticles Market Outlook, By Paper-Filler (2016-2026) (\$MN)

Table 26 North America Cellulose Nanoparticles Market Outlook, By Country (2016-2026) (\$MN)

Table 27 North America Cellulose Nanoparticles Market Outlook, By Application (2016-2026) (\$MN)

Table 28 North America Cellulose Nanoparticles Market Outlook, By Low-Volume Applications (2016-2026) (\$MN)

Table 29 North America Cellulose Nanoparticles Market Outlook, By Industrial-Viscosity Modifiers (2016-2026) (\$MN)

Table 30 North America Cellulose Nanoparticles Market Outlook, By Construction-Gypsum Wallboard Facing (2016-2026) (\$MN)

Table 31 North America Cellulose Nanoparticles Market Outlook, By Aerospace-Structural (2016-2026) (\$MN)

Table 32 North America Cellulose Nanoparticles Market Outlook, By Aerogels-Oil And Gas Industry (2016-2026) (\$MN)

Table 33 North America Cellulose Nanoparticles Market Outlook, By Construction-Air And Water Filtration (2016-2026) (\$MN)

Table 34 North America Cellulose Nanoparticles Market Outlook, By Construction-Insulation And Soundproofing (2016-2026) (\$MN)

Table 35 North America Cellulose Nanoparticles Market Outlook, By Aerospace-Interiors (2016-2026) (\$MN)

Table 36 North America Cellulose Nanoparticles Market Outlook, By Novel Applications (2016-2026) (\$MN)

Table 37 North America Cellulose Nanoparticles Market Outlook, By Industrial And Medical-Additive Manufacturing (2016-2026) (\$MN)

Table 38 North America Cellulose Nanoparticles Market Outlook, By Electronics-



Organic Light-Emitting Diodes (Oleds) (2016-2026) (\$MN)

Table 39 North America Cellulose Nanoparticles Market Outlook, By Photonic Structures-Films (2016-2026) (\$MN)

Table 40 North America Cellulose Nanoparticles Market Outlook, By High-Volume Applications (2016-2026) (\$MN)

Table 41 North America Cellulose Nanoparticles Market Outlook, By Paper-Coatings (2016-2026) (\$MN)

Table 42 North America Cellulose Nanoparticles Market Outlook, By Packaging-Coating (2016-2026) (\$MN)

Table 43 North America Cellulose Nanoparticles Market Outlook, By Packaging-Filler (2016-2026) (\$MN)

Table 44 North America Cellulose Nanoparticles Market Outlook, By Automotive-Interiors (2016-2026) (\$MN)

Table 45 North America Cellulose Nanoparticles Market Outlook, By Packaging-Fiber/Plastic Replacement (2016-2026) (\$MN)

Table 46 North America Cellulose Nanoparticles Market Outlook, By Personal Care-Hygiene And Absorbent Product (2016-2026) (\$MN)

Table 47 North America Cellulose Nanoparticles Market Outlook, By Construction-

Cement; Pre-Stressed And Pre-Cast Concrete (2016-2026) (\$MN)

Table 48 North America Cellulose Nanoparticles Market Outlook, By Automotive-Body Components (2016-2026) (\$MN)

Table 49 North America Cellulose Nanoparticles Market Outlook, By Packaging-Film (2016-2026) (\$MN)

Table 50 North America Cellulose Nanoparticles Market Outlook, By Paper-Filler (2016-2026) (\$MN)

Table 51 Europe Cellulose Nanoparticles Market Outlook, By Country (2016-2026) (\$MN)

Table 52 Europe Cellulose Nanoparticles Market Outlook, By Application (2016-2026) (\$MN)

Table 53 Europe Cellulose Nanoparticles Market Outlook, By Low-Volume Applications (2016-2026) (\$MN)

Table 54 Europe Cellulose Nanoparticles Market Outlook, By Industrial-Viscosity Modifiers (2016-2026) (\$MN)

Table 55 Europe Cellulose Nanoparticles Market Outlook, By Construction-Gypsum Wallboard Facing (2016-2026) (\$MN)

Table 56 Europe Cellulose Nanoparticles Market Outlook, By Aerospace-Structural (2016-2026) (\$MN)

Table 57 Europe Cellulose Nanoparticles Market Outlook, By Aerogels-Oil And Gas Industry (2016-2026) (\$MN)



Table 58 Europe Cellulose Nanoparticles Market Outlook, By Construction-Air And Water Filtration (2016-2026) (\$MN)

Table 59 Europe Cellulose Nanoparticles Market Outlook, By Construction-Insulation And Soundproofing (2016-2026) (\$MN)

Table 60 Europe Cellulose Nanoparticles Market Outlook, By Aerospace-Interiors (2016-2026) (\$MN)

Table 61 Europe Cellulose Nanoparticles Market Outlook, By Novel Applications (2016-2026) (\$MN)

Table 62 Europe Cellulose Nanoparticles Market Outlook, By Industrial And Medical-Additive Manufacturing (2016-2026) (\$MN)

Table 63 Europe Cellulose Nanoparticles Market Outlook, By Electronics-Organic Light-Emitting Diodes (Oleds) (2016-2026) (\$MN)

Table 64 Europe Cellulose Nanoparticles Market Outlook, By Photonic Structures-Films (2016-2026) (\$MN)

Table 65 Europe Cellulose Nanoparticles Market Outlook, By High-Volume Applications (2016-2026) (\$MN)

Table 66 Europe Cellulose Nanoparticles Market Outlook, By Paper-Coatings (2016-2026) (\$MN)

Table 67 Europe Cellulose Nanoparticles Market Outlook, By Packaging-Coating (2016-2026) (\$MN)

Table 68 Europe Cellulose Nanoparticles Market Outlook, By Packaging-Filler (2016-2026) (\$MN)

Table 69 Europe Cellulose Nanoparticles Market Outlook, By Automotive-Interiors (2016-2026) (\$MN)

Table 70 Europe Cellulose Nanoparticles Market Outlook, By Packaging-Fiber/Plastic Replacement (2016-2026) (\$MN)

Table 71 Europe Cellulose Nanoparticles Market Outlook, By Personal Care-Hygiene And Absorbent Product (2016-2026) (\$MN)

Table 72 Europe Cellulose Nanoparticles Market Outlook, By Construction-Cement; Pre-Stressed And Pre-Cast Concrete (2016-2026) (\$MN)

Table 73 Europe Cellulose Nanoparticles Market Outlook, By Automotive-Body Components (2016-2026) (\$MN)

Table 74 Europe Cellulose Nanoparticles Market Outlook, By Packaging-Film (2016-2026) (\$MN)

Table 75 Europe Cellulose Nanoparticles Market Outlook, By Paper-Filler (2016-2026) (\$MN)

Table 76 Asia Pacific Cellulose Nanoparticles Market Outlook, By Country (2016-2026) (\$MN)

Table 77 Asia Pacific Cellulose Nanoparticles Market Outlook, By Application



(2016-2026) (\$MN)

Table 78 Asia Pacific Cellulose Nanoparticles Market Outlook, By Low-Volume Applications (2016-2026) (\$MN)

Table 79 Asia Pacific Cellulose Nanoparticles Market Outlook, By Industrial-Viscosity Modifiers (2016-2026) (\$MN)

Table 80 Asia Pacific Cellulose Nanoparticles Market Outlook, By Construction-Gypsum Wallboard Facing (2016-2026) (\$MN)

Table 81 Asia Pacific Cellulose Nanoparticles Market Outlook, By Aerospace-Structural (2016-2026) (\$MN)

Table 82 Asia Pacific Cellulose Nanoparticles Market Outlook, By Aerogels-Oil And Gas Industry (2016-2026) (\$MN)

Table 83 Asia Pacific Cellulose Nanoparticles Market Outlook, By Construction-Air And Water Filtration (2016-2026) (\$MN)

Table 84 Asia Pacific Cellulose Nanoparticles Market Outlook, By Construction-Insulation And Soundproofing (2016-2026) (\$MN)

Table 85 Asia Pacific Cellulose Nanoparticles Market Outlook, By Aerospace-Interiors (2016-2026) (\$MN)

Table 86 Asia Pacific Cellulose Nanoparticles Market Outlook, By Novel Applications (2016-2026) (\$MN)

Table 87 Asia Pacific Cellulose Nanoparticles Market Outlook, By Industrial And Medical-Additive Manufacturing (2016-2026) (\$MN)

Table 88 Asia Pacific Cellulose Nanoparticles Market Outlook, By Electronics-Organic Light-Emitting Diodes (Oleds) (2016-2026) (\$MN)

Table 89 Asia Pacific Cellulose Nanoparticles Market Outlook, By Photonic Structures-Films (2016-2026) (\$MN)

Table 90 Asia Pacific Cellulose Nanoparticles Market Outlook, By High-Volume Applications (2016-2026) (\$MN)

Table 91 Asia Pacific Cellulose Nanoparticles Market Outlook, By Paper-Coatings (2016-2026) (\$MN)

Table 92 Asia Pacific Cellulose Nanoparticles Market Outlook, By Packaging-Coating (2016-2026) (\$MN)

Table 93 Asia Pacific Cellulose Nanoparticles Market Outlook, By Packaging-Filler (2016-2026) (\$MN)

Table 94 Asia Pacific Cellulose Nanoparticles Market Outlook, By Automotive-Interiors (2016-2026) (\$MN)

Table 95 Asia Pacific Cellulose Nanoparticles Market Outlook, By Packaging-Fiber/Plastic Replacement (2016-2026) (\$MN)

Table 96 Asia Pacific Cellulose Nanoparticles Market Outlook, By Personal Care-Hygiene And Absorbent Product (2016-2026) (\$MN)



Table 97 Asia Pacific Cellulose Nanoparticles Market Outlook, By Construction-Cement; Pre-Stressed And Pre-Cast Concrete (2016-2026) (\$MN)

Table 98 Asia Pacific Cellulose Nanoparticles Market Outlook, By Automotive-Body Components (2016-2026) (\$MN)

Table 99 Asia Pacific Cellulose Nanoparticles Market Outlook, By Packaging-Film (2016-2026) (\$MN)

Table 100 Asia Pacific Cellulose Nanoparticles Market Outlook, By Paper-Filler (2016-2026) (\$MN)

Table 101 South America Cellulose Nanoparticles Market Outlook, By Country (2016-2026) (\$MN)

Table 102 South America Cellulose Nanoparticles Market Outlook, By Application (2016-2026) (\$MN)

Table 103 South America Cellulose Nanoparticles Market Outlook, By Low-Volume Applications (2016-2026) (\$MN)

Table 104 South America Cellulose Nanoparticles Market Outlook, By Industrial-Viscosity Modifiers (2016-2026) (\$MN)

Table 105 South America Cellulose Nanoparticles Market Outlook, By Construction-Gypsum Wallboard Facing (2016-2026) (\$MN)

Table 106 South America Cellulose Nanoparticles Market Outlook, By Aerospace-Structural (2016-2026) (\$MN)

Table 107 South America Cellulose Nanoparticles Market Outlook, By Aerogels-Oil And Gas Industry (2016-2026) (\$MN)

Table 108 South America Cellulose Nanoparticles Market Outlook, By Construction-Air And Water Filtration (2016-2026) (\$MN)

Table 109 South America Cellulose Nanoparticles Market Outlook, By Construction-Insulation And Soundproofing (2016-2026) (\$MN)

Table 110 South America Cellulose Nanoparticles Market Outlook, By Aerospace-Interiors (2016-2026) (\$MN)

Table 111 South America Cellulose Nanoparticles Market Outlook, By Novel Applications (2016-2026) (\$MN)

Table 112 South America Cellulose Nanoparticles Market Outlook, By Industrial And Medical-Additive Manufacturing (2016-2026) (\$MN)

Table 113 South America Cellulose Nanoparticles Market Outlook, By Electronics-Organic Light-Emitting Diodes (Oleds) (2016-2026) (\$MN)

Table 114 South America Cellulose Nanoparticles Market Outlook, By Photonic Structures-Films (2016-2026) (\$MN)

Table 115 South America Cellulose Nanoparticles Market Outlook, By High-Volume Applications (2016-2026) (\$MN)

Table 116 South America Cellulose Nanoparticles Market Outlook, By Paper-Coatings



(2016-2026) (\$MN)

Table 117 South America Cellulose Nanoparticles Market Outlook, By Packaging-Coating (2016-2026) (\$MN)

Table 118 South America Cellulose Nanoparticles Market Outlook, By Packaging-Filler (2016-2026) (\$MN)

Table 119 South America Cellulose Nanoparticles Market Outlook, By Automotive-Interiors (2016-2026) (\$MN)

Table 120 South America Cellulose Nanoparticles Market Outlook, By Packaging-Fiber/Plastic Replacement (2016-2026) (\$MN)

Table 121 South America Cellulose Nanoparticles Market Outlook, By Personal Care-Hygiene And Absorbent Product (2016-2026) (\$MN)

Table 122 South America Cellulose Nanoparticles Market Outlook, By Construction-Cement; Pre-Stressed And Pre-Cast Concrete (2016-2026) (\$MN)

Table 123 South America Cellulose Nanoparticles Market Outlook, By Automotive-Body Components (2016-2026) (\$MN)

Table 124 South America Cellulose Nanoparticles Market Outlook, By Packaging-Film (2016-2026) (\$MN)

Table 125 South America Cellulose Nanoparticles Market Outlook, By Paper-Filler (2016-2026) (\$MN)

Table 126 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Country (2016-2026) (\$MN)

Table 127 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Application (2016-2026) (\$MN)

Table 128 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Low-Volume Applications (2016-2026) (\$MN)

Table 129 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Industrial-Viscosity Modifiers (2016-2026) (\$MN)

Table 130 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Construction-Gypsum Wallboard Facing (2016-2026) (\$MN)

Table 131 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Aerospace-Structural (2016-2026) (\$MN)

Table 132 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Aerogels-Oil And Gas Industry (2016-2026) (\$MN)

Table 133 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Construction-Air And Water Filtration (2016-2026) (\$MN)

Table 134 Middle East & Africa Cellulose Nanoparticles Market Outlook, By

Construction-Insulation And Soundproofing (2016-2026) (\$MN)

Table 135 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Aerospace-Interiors (2016-2026) (\$MN)



Table 136 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Novel Applications (2016-2026) (\$MN)

Table 137 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Industrial And Medical-Additive Manufacturing (2016-2026) (\$MN)

Table 138 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Electronics-Organic Light-Emitting Diodes (Oleds) (2016-2026) (\$MN)

Table 139 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Photonic Structures-Films (2016-2026) (\$MN)

Table 140 Middle East & Africa Cellulose Nanoparticles Market Outlook, By High-Volume Applications (2016-2026) (\$MN)

Table 141 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Paper-Coatings (2016-2026) (\$MN)

Table 142 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Packaging-Coating (2016-2026) (\$MN)

Table 143 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Packaging-Filler (2016-2026) (\$MN)

Table 144 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Automotive-Interiors (2016-2026) (\$MN)

Table 145 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Packaging-Fiber/Plastic Replacement (2016-2026) (\$MN)

Table 146 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Personal Care-Hygiene And Absorbent Product (2016-2026) (\$MN)

Table 147 Middle East & Africa Cellulose Nanoparticles Market Outlook, By

Construction-Cement; Pre-Stressed And Pre-Cast Concrete (2016-2026) (\$MN)

Table 148 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Automotive-Body Components (2016-2026) (\$MN)

Table 149 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Packaging-Film (2016-2026) (\$MN)

Table 150 Middle East & Africa Cellulose Nanoparticles Market Outlook, By Paper-Filler (2016-2026) (\$MN)



#### I would like to order

Product name: Cellulose Nanoparticles - Global Market Outlook (2017-2026) Product link: https://marketpublishers.com/r/CFAEDFBA98EEN.html Price: US\$ 4,150.00 (Single User License / Electronic Delivery) If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <u>https://marketpublishers.com/r/CFAEDFBA98EEN.html</u>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name: Last name: Email: Company: Address: City: Zip code: Country: Tel: Fax: Your message:

\*\*All fields are required

Custumer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <u>https://marketpublishers.com/docs/terms.html</u>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970