

# Global Whisker Materials Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/GAA0D620E006EN.html>

Date: June 2026

Pages: 201

Price: US\$ 3,480.00 (Single User License)

ID: GAA0D620E006EN

## Abstracts

According to our (Global Info Research) latest study, the global Whisker Materials market size was valued at US\$ 391 million in 2025 and is forecast to a readjusted size of US\$ 850 million by 2032 with a CAGR of 9.5% during review period.

Whisker materials refer to artificially synthesized short fibers grown as single crystals, 0.1–10  $\mu\text{m}$  in diameter, aspect ratio  $\geq 10$ , possessing near-theoretical strength, high modulus, heat resistance and wear resistance. By composition and function they are divided into three categories: inorganic non-metallic whiskers (SiC, Al<sub>2</sub>O<sub>3</sub>, CaCO<sub>3</sub>, CaSO<sub>4</sub>, potassium titanate, aluminum borate, Si<sub>3</sub>N<sub>4</sub>, etc.) used as reinforcements in ceramic-matrix, metal-matrix and polymer-matrix composites – SiC whiskers resist  $>1600^{\circ}\text{C}$  for aerospace hot structures, Al<sub>2</sub>O<sub>3</sub> for high-temperature parts and tools, CaCO<sub>3</sub> for friction materials (asbestos-free brake pads) and plastics, CaSO<sub>4</sub> for building materials, asphalt and thermoplastics, potassium titanate for wear-resistant brake pads and thermal insulation coatings; metallic whiskers (artificially grown Fe, Ni, Cu whiskers, distinct from accidental growth as failure in solders/platings) produced by CVD, template or magnetic-field methods, offering excellent electrical/thermal conductivity and mechanical strength, used in conductive composites (EMI shielding, anti-static), catalyst supports, battery electrodes (Ni whiskers for Li-ion anodes) and metal-matrix composites; organic whiskers (cellulose, chitin whiskers) are bio-based nanofibers extracted from plants or crustacean shells, light, biodegradable, with abundant surface functional groups, used for reinforcing biodegradable plastics (PLA, PBS) to improve modulus and heat deflection temperature, medical scaffolds, tissue engineering, high-strength paper and green packaging. Whisker materials are key components for high-performance and green composites.

Whisker materials constitute a family of short-fiber reinforcements spanning non-oxide ceramics, oxide ceramics, salt-type compounds, metals and organics, highly fragmented across sub-segments. Non-oxide whiskers (SiC, Si<sub>3</sub>N<sub>4</sub>) have the highest unit price (tens to hundreds of thousands USD/ton), used in ultra-high-temperature applications such as aerospace hot structures and cutting tools, dominated by Ube, Tateho and Greenleaf (ex-Haydale), with gross margins of 40–60%. Salt-type whiskers (CaSO<sub>4</sub>, CaCO<sub>3</sub>) are the cheapest (hundreds to thousands USD/ton), used in plastics, friction materials and construction; they hold the largest volume (CaSO<sub>4</sub> ~USD 120 million), with Chinese suppliers (Shanghai Fengzhu, Zibo Jianzong) as major producers but gross margins only 15–25%. Metal whiskers (Ni, Cu) are extremely high-priced but very small (USD 5–10 million), used in conductive adhesives and Li-ion anodes, with technology concentrated in Japan and Europe. Organic whiskers (cellulose, chitin) benefit from carbon-neutral policies, penetrating biodegradable plastics and medical scaffolds; Guilin Qihong has reached thousand-ton capacity, but the segment remains nascent. Downstream primary applications: friction materials (asbestos-free brake pads), plastics modification, and aerospace high-temperature structural parts together account for ~70% of whisker consumption. Incremental demand is driven by three rigid trends: mandated asbestos-free brake pad regulations, rising demand for CMCs in aero-engines and missiles, and EU carbon border tax pushing cellulose whisker use in biodegradable plastics. The landscape: Japan leads in non-oxide and potassium titanate whiskers; China leads in salt-type and organic whisker mass production; Europe/US retain niche suppliers for metal whiskers and some advanced carbides. No single monopolist exists, and most players are either multi-product or specialised in one whisker type, resulting in very low supply chain concentration. Uncertainties include: cost-performance substitution by carbon/glass fibers; cross-competition among whisker types (e.g., CaCO<sub>3</sub> replacing CaSO<sub>4</sub>); financial strain on domestic champions from long certification cycles and slow payment; and potential health risk controversies similar to asbestos that could chill ceramic whisker markets. Conclusion: The whisker materials industry is in a growth stage with multiple technology routes running in parallel, no common cycle, and demand driven by irreplaceable functions (high temperature, wear resistance, reinforcement, weight reduction). Structural features are product fragmentation, generally small enterprise scales, and differentiated competition across China, Japan, US and Europe. Over the next five years, China's dominance in salt-type whiskers will strengthen, while domestic substitution of non-oxide whiskers remains the biggest variable.

This report is a detailed and comprehensive analysis for global Whisker Materials market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this

report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Whisker Materials market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Whisker Materials market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Whisker Materials market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Whisker Materials market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Whisker Materials

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Whisker Materials market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Ube Industries, Tateho Chemical Industries, Denka, Otsuka Chemical, Greenleaf Corporation (incl. Haydale Ceramic Tech), Mitsubishi Materials Group, Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu), Shikoku Chemicals, Toshiba Materials, Washington Mills, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

## Market Segmentation

Whisker Materials market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Non-oxide Ceramic Whisker (SiC, Si<sub>3</sub>N<sub>4</sub>, etc.)

Oxide Ceramic Whisker (Al<sub>2</sub>O<sub>3</sub>, ZnO, Al<sub>2</sub>B<sub>2</sub>O<sub>7</sub>, etc.)

Salt-type Whisker (CaSO<sub>4</sub>, CaCO<sub>3</sub>, Mg(OH)<sub>2</sub>, etc.)

Metal Whisker (Fe, Ni, Cu, etc., artificially grown)

Organic Whisker (cellulose, chitin)

### Market segment by Aspect Ratio

Low Aspect Ratio (AR 10–30)

Medium Aspect Ratio (AR 30–100)

High Aspect Ratio (AR >100)

### Market segment by Application

Aerospace & Defense

Automotive Friction & Powertrain

Plastics & Rubber Modification

Electronics & Battery

Green Packaging & Biomedical

Others

#### Major players covered

Ube Industries

Tateho Chemical Industries

Denka

Otsuka Chemical

Greenleaf Corporation (incl. Haydale Ceramic Tech)

Mitsubishi Materials Group

Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu)

Shikoku Chemicals

Toshiba Materials

Washington Mills

ACS Material

Zibo Jianzong Composite Material

Xi'an Boer New Material

Hongwu New Material (Xuzhou Jiechuang)

Jiangxi Dishu Mineral Fiber Technology

Nantong Aoxin Electronic Technology

Guilin Qihong Technology

JELU-Werk

CelluForce

Melodea

Chuetsu Pulp & Paper

Metal Whisker Technologies (JFE Steel, etc.)

Sumitomo Metal Mining

American Elements

Stanford Advanced Materials

Nanoshel

Goodfellow

AlzChem Group

IoLiTec

NP Whisker (SNIRI)

Eno Material

Zibo Jurong New Material

Shenyang Meixi Fine Chemical

Tangshan Crystal Whisker Composites Manufacturing

Xuzhou Zorui Chemical

Hunan Jinxing New Material

Guangzhou Hongwu Material Technology

Tingyue Technology

Zhejiang Jingangyun

Shanghai Promaterial Industry

Xiamen Powerway Advanced Material

Chitin Whisker

NanoShell (China)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Whisker Materials product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Whisker Materials, with price, sales quantity, revenue, and global market share of Whisker Materials from 2021 to 2026.

Chapter 3, the Whisker Materials competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Whisker Materials breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Whisker Materials market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Whisker Materials.

Chapter 14 and 15, to describe Whisker Materials sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

#### 1.1 Product Overview and Scope

#### 1.2 Market Estimation Caveats and Base Year

#### 1.3 Market Analysis by Type

##### 1.3.1 Overview: Global Whisker Materials Consumption Value by Type: 2021 Versus 2025 Versus 2032

##### 1.3.2 Non-oxide Ceramic Whisker (SiC, Si<sub>3</sub>N<sub>4</sub>, etc.)

##### 1.3.3 Oxide Ceramic Whisker (Al<sub>2</sub>O<sub>3</sub>, ZnO, Al<sub>2</sub>B<sub>2</sub>O<sub>7</sub>, etc.)

##### 1.3.4 Salt-type Whisker (CaSO<sub>4</sub>, CaCO<sub>3</sub>, Mg(OH)<sub>2</sub>, etc.)

##### 1.3.5 Metal Whisker (Fe, Ni, Cu, etc., artificially grown)

##### 1.3.6 Organic Whisker (cellulose, chitin)

#### 1.4 Market Analysis by Aspect Ratio

##### 1.4.1 Overview: Global Whisker Materials Consumption Value by Aspect Ratio: 2021 Versus 2025 Versus 2032

##### 1.4.2 Low Aspect Ratio (AR 10–30)

##### 1.4.3 Medium Aspect Ratio (AR 30–100)

##### 1.4.4 High Aspect Ratio (AR >100)

#### 1.5 Market Analysis by Application

##### 1.5.1 Overview: Global Whisker Materials Consumption Value by Application: 2021 Versus 2025 Versus 2032

##### 1.5.2 Aerospace & Defense

##### 1.5.3 Automotive Friction & Powertrain

##### 1.5.4 Plastics & Rubber Modification

##### 1.5.5 Electronics & Battery

##### 1.5.6 Green Packaging & Biomedical

##### 1.5.7 Others

#### 1.6 Global Whisker Materials Market Size & Forecast

##### 1.6.1 Global Whisker Materials Consumption Value (2021 & 2025 & 2032)

##### 1.6.2 Global Whisker Materials Sales Quantity (2021-2032)

##### 1.6.3 Global Whisker Materials Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

#### 2.1 Ube Industries

##### 2.1.1 Ube Industries Details

##### 2.1.2 Ube Industries Major Business

- 2.1.3 Ube Industries Whisker Materials Product and Services
- 2.1.4 Ube Industries Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Ube Industries Recent Developments/Updates
- 2.2 Tateho Chemical Industries
  - 2.2.1 Tateho Chemical Industries Details
  - 2.2.2 Tateho Chemical Industries Major Business
  - 2.2.3 Tateho Chemical Industries Whisker Materials Product and Services
  - 2.2.4 Tateho Chemical Industries Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.2.5 Tateho Chemical Industries Recent Developments/Updates
- 2.3 Denka
  - 2.3.1 Denka Details
  - 2.3.2 Denka Major Business
  - 2.3.3 Denka Whisker Materials Product and Services
  - 2.3.4 Denka Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.3.5 Denka Recent Developments/Updates
- 2.4 Otsuka Chemical
  - 2.4.1 Otsuka Chemical Details
  - 2.4.2 Otsuka Chemical Major Business
  - 2.4.3 Otsuka Chemical Whisker Materials Product and Services
  - 2.4.4 Otsuka Chemical Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 Otsuka Chemical Recent Developments/Updates
- 2.5 Greenleaf Corporation (incl. Haydale Ceramic Tech)
  - 2.5.1 Greenleaf Corporation (incl. Haydale Ceramic Tech) Details
  - 2.5.2 Greenleaf Corporation (incl. Haydale Ceramic Tech) Major Business
  - 2.5.3 Greenleaf Corporation (incl. Haydale Ceramic Tech) Whisker Materials Product and Services
  - 2.5.4 Greenleaf Corporation (incl. Haydale Ceramic Tech) Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 Greenleaf Corporation (incl. Haydale Ceramic Tech) Recent Developments/Updates
- 2.6 Mitsubishi Materials Group
  - 2.6.1 Mitsubishi Materials Group Details
  - 2.6.2 Mitsubishi Materials Group Major Business
  - 2.6.3 Mitsubishi Materials Group Whisker Materials Product and Services
  - 2.6.4 Mitsubishi Materials Group Whisker Materials Sales Quantity, Average Price,

## Revenue, Gross Margin and Market Share (2021-2026)

### 2.6.5 Mitsubishi Materials Group Recent Developments/Updates

## 2.7 Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu)

### 2.7.1 Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu)

#### Details

### 2.7.2 Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu)

#### Major Business

### 2.7.3 Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu)

#### Whisker Materials Product and Services

### 2.7.4 Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu)

#### Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.7.5 Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu)

#### Recent Developments/Updates

## 2.8 Shikoku Chemicals

### 2.8.1 Shikoku Chemicals Details

### 2.8.2 Shikoku Chemicals Major Business

### 2.8.3 Shikoku Chemicals Whisker Materials Product and Services

#### 2.8.4 Shikoku Chemicals Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.8.5 Shikoku Chemicals Recent Developments/Updates

## 2.9 Toshiba Materials

### 2.9.1 Toshiba Materials Details

### 2.9.2 Toshiba Materials Major Business

### 2.9.3 Toshiba Materials Whisker Materials Product and Services

#### 2.9.4 Toshiba Materials Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.9.5 Toshiba Materials Recent Developments/Updates

## 2.10 Washington Mills

### 2.10.1 Washington Mills Details

### 2.10.2 Washington Mills Major Business

### 2.10.3 Washington Mills Whisker Materials Product and Services

#### 2.10.4 Washington Mills Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.10.5 Washington Mills Recent Developments/Updates

## 2.11 ACS Material

### 2.11.1 ACS Material Details

### 2.11.2 ACS Material Major Business

### 2.11.3 ACS Material Whisker Materials Product and Services

- 2.11.4 ACS Material Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.11.5 ACS Material Recent Developments/Updates
- 2.12 Zibo Jianzong Composite Material
  - 2.12.1 Zibo Jianzong Composite Material Details
  - 2.12.2 Zibo Jianzong Composite Material Major Business
  - 2.12.3 Zibo Jianzong Composite Material Whisker Materials Product and Services
  - 2.12.4 Zibo Jianzong Composite Material Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.12.5 Zibo Jianzong Composite Material Recent Developments/Updates
- 2.13 Xi'an Boer New Material
  - 2.13.1 Xi'an Boer New Material Details
  - 2.13.2 Xi'an Boer New Material Major Business
  - 2.13.3 Xi'an Boer New Material Whisker Materials Product and Services
  - 2.13.4 Xi'an Boer New Material Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.13.5 Xi'an Boer New Material Recent Developments/Updates
- 2.14 Hongwu New Material (Xuzhou Jiechuang)
  - 2.14.1 Hongwu New Material (Xuzhou Jiechuang) Details
  - 2.14.2 Hongwu New Material (Xuzhou Jiechuang) Major Business
  - 2.14.3 Hongwu New Material (Xuzhou Jiechuang) Whisker Materials Product and Services
  - 2.14.4 Hongwu New Material (Xuzhou Jiechuang) Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.14.5 Hongwu New Material (Xuzhou Jiechuang) Recent Developments/Updates
- 2.15 Jiangxi Dishi Mineral Fiber Technology
  - 2.15.1 Jiangxi Dishi Mineral Fiber Technology Details
  - 2.15.2 Jiangxi Dishi Mineral Fiber Technology Major Business
  - 2.15.3 Jiangxi Dishi Mineral Fiber Technology Whisker Materials Product and Services
  - 2.15.4 Jiangxi Dishi Mineral Fiber Technology Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.15.5 Jiangxi Dishi Mineral Fiber Technology Recent Developments/Updates
- 2.16 Nantong Aoxin Electronic Technology
  - 2.16.1 Nantong Aoxin Electronic Technology Details
  - 2.16.2 Nantong Aoxin Electronic Technology Major Business
  - 2.16.3 Nantong Aoxin Electronic Technology Whisker Materials Product and Services
  - 2.16.4 Nantong Aoxin Electronic Technology Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.16.5 Nantong Aoxin Electronic Technology Recent Developments/Updates

## 2.17 Guilin Qihong Technology

2.17.1 Guilin Qihong Technology Details

2.17.2 Guilin Qihong Technology Major Business

2.17.3 Guilin Qihong Technology Whisker Materials Product and Services

2.17.4 Guilin Qihong Technology Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.17.5 Guilin Qihong Technology Recent Developments/Updates

## 2.18 JELU-Werk

2.18.1 JELU-Werk Details

2.18.2 JELU-Werk Major Business

2.18.3 JELU-Werk Whisker Materials Product and Services

2.18.4 JELU-Werk Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.18.5 JELU-Werk Recent Developments/Updates

## 2.19 CelluForce

2.19.1 CelluForce Details

2.19.2 CelluForce Major Business

2.19.3 CelluForce Whisker Materials Product and Services

2.19.4 CelluForce Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.19.5 CelluForce Recent Developments/Updates

## 2.20 Melodea

2.20.1 Melodea Details

2.20.2 Melodea Major Business

2.20.3 Melodea Whisker Materials Product and Services

2.20.4 Melodea Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.20.5 Melodea Recent Developments/Updates

## 2.21 Chuetsu Pulp & Paper

2.21.1 Chuetsu Pulp & Paper Details

2.21.2 Chuetsu Pulp & Paper Major Business

2.21.3 Chuetsu Pulp & Paper Whisker Materials Product and Services

2.21.4 Chuetsu Pulp & Paper Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.21.5 Chuetsu Pulp & Paper Recent Developments/Updates

## 2.22 Metal Whisker Technologies (JFE Steel, etc.)

2.22.1 Metal Whisker Technologies (JFE Steel, etc.) Details

2.22.2 Metal Whisker Technologies (JFE Steel, etc.) Major Business

2.22.3 Metal Whisker Technologies (JFE Steel, etc.) Whisker Materials Product and

## Services

2.22.4 Metal Whisker Technologies (JFE Steel, etc.) Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.22.5 Metal Whisker Technologies (JFE Steel, etc.) Recent Developments/Updates

## 2.23 Sumitomo Metal Mining

2.23.1 Sumitomo Metal Mining Details

2.23.2 Sumitomo Metal Mining Major Business

2.23.3 Sumitomo Metal Mining Whisker Materials Product and Services

2.23.4 Sumitomo Metal Mining Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.23.5 Sumitomo Metal Mining Recent Developments/Updates

## 2.24 American Elements

2.24.1 American Elements Details

2.24.2 American Elements Major Business

2.24.3 American Elements Whisker Materials Product and Services

2.24.4 American Elements Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.24.5 American Elements Recent Developments/Updates

## 2.25 Stanford Advanced Materials

2.25.1 Stanford Advanced Materials Details

2.25.2 Stanford Advanced Materials Major Business

2.25.3 Stanford Advanced Materials Whisker Materials Product and Services

2.25.4 Stanford Advanced Materials Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.25.5 Stanford Advanced Materials Recent Developments/Updates

## 2.26 Nanoshel

2.26.1 Nanoshel Details

2.26.2 Nanoshel Major Business

2.26.3 Nanoshel Whisker Materials Product and Services

2.26.4 Nanoshel Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.26.5 Nanoshel Recent Developments/Updates

## 2.27 Goodfellow

2.27.1 Goodfellow Details

2.27.2 Goodfellow Major Business

2.27.3 Goodfellow Whisker Materials Product and Services

2.27.4 Goodfellow Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.27.5 Goodfellow Recent Developments/Updates

## 2.28 AlzChem Group

### 2.28.1 AlzChem Group Details

### 2.28.2 AlzChem Group Major Business

### 2.28.3 AlzChem Group Whisker Materials Product and Services

### 2.28.4 AlzChem Group Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.28.5 AlzChem Group Recent Developments/Updates

## 2.29 IoLiTec

### 2.29.1 IoLiTec Details

### 2.29.2 IoLiTec Major Business

### 2.29.3 IoLiTec Whisker Materials Product and Services

### 2.29.4 IoLiTec Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.29.5 IoLiTec Recent Developments/Updates

## 2.30 NP Whisker (SNIRI)

### 2.30.1 NP Whisker (SNIRI) Details

### 2.30.2 NP Whisker (SNIRI) Major Business

### 2.30.3 NP Whisker (SNIRI) Whisker Materials Product and Services

### 2.30.4 NP Whisker (SNIRI) Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.30.5 NP Whisker (SNIRI) Recent Developments/Updates

## 2.31 Eno Material

### 2.31.1 Eno Material Details

### 2.31.2 Eno Material Major Business

### 2.31.3 Eno Material Whisker Materials Product and Services

### 2.31.4 Eno Material Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.31.5 Eno Material Recent Developments/Updates

## 2.32 Zibo Jurong New Material

### 2.32.1 Zibo Jurong New Material Details

### 2.32.2 Zibo Jurong New Material Major Business

### 2.32.3 Zibo Jurong New Material Whisker Materials Product and Services

### 2.32.4 Zibo Jurong New Material Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

### 2.32.5 Zibo Jurong New Material Recent Developments/Updates

## 2.33 Shenyang Meixi Fine Chemical

### 2.33.1 Shenyang Meixi Fine Chemical Details

### 2.33.2 Shenyang Meixi Fine Chemical Major Business

### 2.33.3 Shenyang Meixi Fine Chemical Whisker Materials Product and Services

2.33.4 Shenyang Meixi Fine Chemical Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.33.5 Shenyang Meixi Fine Chemical Recent Developments/Updates

2.34 Tangshan Crystal Whisker Composites Manufacturing

2.34.1 Tangshan Crystal Whisker Composites Manufacturing Details

2.34.2 Tangshan Crystal Whisker Composites Manufacturing Major Business

2.34.3 Tangshan Crystal Whisker Composites Manufacturing Whisker Materials Product and Services

2.34.4 Tangshan Crystal Whisker Composites Manufacturing Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.34.5 Tangshan Crystal Whisker Composites Manufacturing Recent Developments/Updates

2.35 Xuzhou Zorui Chemical

2.35.1 Xuzhou Zorui Chemical Details

2.35.2 Xuzhou Zorui Chemical Major Business

2.35.3 Xuzhou Zorui Chemical Whisker Materials Product and Services

2.35.4 Xuzhou Zorui Chemical Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.35.5 Xuzhou Zorui Chemical Recent Developments/Updates

2.36 Hunan Jinxing New Material

2.36.1 Hunan Jinxing New Material Details

2.36.2 Hunan Jinxing New Material Major Business

2.36.3 Hunan Jinxing New Material Whisker Materials Product and Services

2.36.4 Hunan Jinxing New Material Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.36.5 Hunan Jinxing New Material Recent Developments/Updates

2.37 Guangzhou Hongwu Material Technology

2.37.1 Guangzhou Hongwu Material Technology Details

2.37.2 Guangzhou Hongwu Material Technology Major Business

2.37.3 Guangzhou Hongwu Material Technology Whisker Materials Product and Services

2.37.4 Guangzhou Hongwu Material Technology Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.37.5 Guangzhou Hongwu Material Technology Recent Developments/Updates

2.38 Tingyue Technology

2.38.1 Tingyue Technology Details

2.38.2 Tingyue Technology Major Business

2.38.3 Tingyue Technology Whisker Materials Product and Services

2.38.4 Tingyue Technology Whisker Materials Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2021-2026)

2.38.5 Tingyue Technology Recent Developments/Updates

2.39 Zhejiang Jingangyun

2.39.1 Zhejiang Jingangyun Details

2.39.2 Zhejiang Jingangyun Major Business

2.39.3 Zhejiang Jingangyun Whisker Materials Product and Services

2.39.4 Zhejiang Jingangyun Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.39.5 Zhejiang Jingangyun Recent Developments/Updates

2.40 Shanghai Promaterial Industry

2.40.1 Shanghai Promaterial Industry Details

2.40.2 Shanghai Promaterial Industry Major Business

2.40.3 Shanghai Promaterial Industry Whisker Materials Product and Services

2.40.4 Shanghai Promaterial Industry Whisker Materials Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)

2.40.5 Shanghai Promaterial Industry Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: WHISKER MATERIALS BY MANUFACTURER**

3.1 Global Whisker Materials Sales Quantity by Manufacturer (2021-2026)

3.2 Global Whisker Materials Revenue by Manufacturer (2021-2026)

3.3 Global Whisker Materials Average Price by Manufacturer (2021-2026)

3.4 Market Share Analysis (2025)

3.4.1 Producer Shipments of Whisker Materials by Manufacturer Revenue (\$MM) and Market Share (%): 2025

3.4.2 Top 3 Whisker Materials Manufacturer Market Share in 2025

3.4.3 Top 6 Whisker Materials Manufacturer Market Share in 2025

3.5 Whisker Materials Market: Overall Company Footprint Analysis

3.5.1 Whisker Materials Market: Region Footprint

3.5.2 Whisker Materials Market: Company Product Type Footprint

3.5.3 Whisker Materials Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

### **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global Whisker Materials Market Size by Region

4.1.1 Global Whisker Materials Sales Quantity by Region (2021-2032)

4.1.2 Global Whisker Materials Consumption Value by Region (2021-2032)

- 4.1.3 Global Whisker Materials Average Price by Region (2021-2032)
- 4.2 North America Whisker Materials Consumption Value (2021-2032)
- 4.3 Europe Whisker Materials Consumption Value (2021-2032)
- 4.4 Asia-Pacific Whisker Materials Consumption Value (2021-2032)
- 4.5 South America Whisker Materials Consumption Value (2021-2032)
- 4.6 Middle East & Africa Whisker Materials Consumption Value (2021-2032)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Whisker Materials Sales Quantity by Type (2021-2032)
- 5.2 Global Whisker Materials Consumption Value by Type (2021-2032)
- 5.3 Global Whisker Materials Average Price by Type (2021-2032)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Whisker Materials Sales Quantity by Application (2021-2032)
- 6.2 Global Whisker Materials Consumption Value by Application (2021-2032)
- 6.3 Global Whisker Materials Average Price by Application (2021-2032)

## **7 NORTH AMERICA**

- 7.1 North America Whisker Materials Sales Quantity by Type (2021-2032)
- 7.2 North America Whisker Materials Sales Quantity by Application (2021-2032)
- 7.3 North America Whisker Materials Market Size by Country
  - 7.3.1 North America Whisker Materials Sales Quantity by Country (2021-2032)
  - 7.3.2 North America Whisker Materials Consumption Value by Country (2021-2032)
  - 7.3.3 United States Market Size and Forecast (2021-2032)
  - 7.3.4 Canada Market Size and Forecast (2021-2032)
  - 7.3.5 Mexico Market Size and Forecast (2021-2032)

## **8 EUROPE**

- 8.1 Europe Whisker Materials Sales Quantity by Type (2021-2032)
- 8.2 Europe Whisker Materials Sales Quantity by Application (2021-2032)
- 8.3 Europe Whisker Materials Market Size by Country
  - 8.3.1 Europe Whisker Materials Sales Quantity by Country (2021-2032)
  - 8.3.2 Europe Whisker Materials Consumption Value by Country (2021-2032)
  - 8.3.3 Germany Market Size and Forecast (2021-2032)
  - 8.3.4 France Market Size and Forecast (2021-2032)

8.3.5 United Kingdom Market Size and Forecast (2021-2032)

8.3.6 Russia Market Size and Forecast (2021-2032)

8.3.7 Italy Market Size and Forecast (2021-2032)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Whisker Materials Sales Quantity by Type (2021-2032)

9.2 Asia-Pacific Whisker Materials Sales Quantity by Application (2021-2032)

9.3 Asia-Pacific Whisker Materials Market Size by Region

9.3.1 Asia-Pacific Whisker Materials Sales Quantity by Region (2021-2032)

9.3.2 Asia-Pacific Whisker Materials Consumption Value by Region (2021-2032)

9.3.3 China Market Size and Forecast (2021-2032)

9.3.4 Japan Market Size and Forecast (2021-2032)

9.3.5 South Korea Market Size and Forecast (2021-2032)

9.3.6 India Market Size and Forecast (2021-2032)

9.3.7 Southeast Asia Market Size and Forecast (2021-2032)

9.3.8 Australia Market Size and Forecast (2021-2032)

## **10 SOUTH AMERICA**

10.1 South America Whisker Materials Sales Quantity by Type (2021-2032)

10.2 South America Whisker Materials Sales Quantity by Application (2021-2032)

10.3 South America Whisker Materials Market Size by Country

10.3.1 South America Whisker Materials Sales Quantity by Country (2021-2032)

10.3.2 South America Whisker Materials Consumption Value by Country (2021-2032)

10.3.3 Brazil Market Size and Forecast (2021-2032)

10.3.4 Argentina Market Size and Forecast (2021-2032)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Whisker Materials Sales Quantity by Type (2021-2032)

11.2 Middle East & Africa Whisker Materials Sales Quantity by Application (2021-2032)

11.3 Middle East & Africa Whisker Materials Market Size by Country

11.3.1 Middle East & Africa Whisker Materials Sales Quantity by Country (2021-2032)

11.3.2 Middle East & Africa Whisker Materials Consumption Value by Country  
(2021-2032)

11.3.3 Turkey Market Size and Forecast (2021-2032)

11.3.4 Egypt Market Size and Forecast (2021-2032)

11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)

### 11.3.6 South Africa Market Size and Forecast (2021-2032)

## **12 MARKET DYNAMICS**

### 12.1 Whisker Materials Market Drivers

### 12.2 Whisker Materials Market Restraints

### 12.3 Whisker Materials Trends Analysis

### 12.4 Porters Five Forces Analysis

#### 12.4.1 Threat of New Entrants

#### 12.4.2 Bargaining Power of Suppliers

#### 12.4.3 Bargaining Power of Buyers

#### 12.4.4 Threat of Substitutes

#### 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

### 13.1 Raw Material of Whisker Materials and Key Manufacturers

### 13.2 Manufacturing Costs Percentage of Whisker Materials

### 13.3 Whisker Materials Production Process

### 13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

### 14.1 Sales Channel

#### 14.1.1 Direct to End-User

#### 14.1.2 Distributors

### 14.2 Whisker Materials Typical Distributors

### 14.3 Whisker Materials Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

### 16.1 Methodology

### 16.2 Research Process and Data Source

### 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Whisker Materials Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Whisker Materials Consumption Value by Aspect Ratio, (USD Million), 2021 & 2025 & 2032

Table 3. Global Whisker Materials Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. Ube Industries Basic Information, Manufacturing Base and Competitors

Table 5. Ube Industries Major Business

Table 6. Ube Industries Whisker Materials Product and Services

Table 7. Ube Industries Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. Ube Industries Recent Developments/Updates

Table 9. Tateho Chemical Industries Basic Information, Manufacturing Base and Competitors

Table 10. Tateho Chemical Industries Major Business

Table 11. Tateho Chemical Industries Whisker Materials Product and Services

Table 12. Tateho Chemical Industries Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. Tateho Chemical Industries Recent Developments/Updates

Table 14. Denka Basic Information, Manufacturing Base and Competitors

Table 15. Denka Major Business

Table 16. Denka Whisker Materials Product and Services

Table 17. Denka Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. Denka Recent Developments/Updates

Table 19. Otsuka Chemical Basic Information, Manufacturing Base and Competitors

Table 20. Otsuka Chemical Major Business

Table 21. Otsuka Chemical Whisker Materials Product and Services

Table 22. Otsuka Chemical Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 23. Otsuka Chemical Recent Developments/Updates

Table 24. Greenleaf Corporation (incl. Haydale Ceramic Tech) Basic Information, Manufacturing Base and Competitors

Table 25. Greenleaf Corporation (incl. Haydale Ceramic Tech) Major Business

Table 26. Greenleaf Corporation (incl. Haydale Ceramic Tech) Whisker Materials Product and Services

Table 27. Greenleaf Corporation (incl. Haydale Ceramic Tech) Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 28. Greenleaf Corporation (incl. Haydale Ceramic Tech) Recent Developments/Updates

Table 29. Mitsubishi Materials Group Basic Information, Manufacturing Base and Competitors

Table 30. Mitsubishi Materials Group Major Business

Table 31. Mitsubishi Materials Group Whisker Materials Product and Services

Table 32. Mitsubishi Materials Group Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 33. Mitsubishi Materials Group Recent Developments/Updates

Table 34. Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu) Basic Information, Manufacturing Base and Competitors

Table 35. Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu) Major Business

Table 36. Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu) Whisker Materials Product and Services

Table 37. Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu) Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 38. Shanghai Fengzhu Composite New Material Technology (incl. Jiangxi Fengzhu) Recent Developments/Updates

Table 39. Shikoku Chemicals Basic Information, Manufacturing Base and Competitors

Table 40. Shikoku Chemicals Major Business

Table 41. Shikoku Chemicals Whisker Materials Product and Services

Table 42. Shikoku Chemicals Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 43. Shikoku Chemicals Recent Developments/Updates

Table 44. Toshiba Materials Basic Information, Manufacturing Base and Competitors

Table 45. Toshiba Materials Major Business

Table 46. Toshiba Materials Whisker Materials Product and Services

Table 47. Toshiba Materials Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 48. Toshiba Materials Recent Developments/Updates

Table 49. Washington Mills Basic Information, Manufacturing Base and Competitors

Table 50. Washington Mills Major Business

- Table 51. Washington Mills Whisker Materials Product and Services
- Table 52. Washington Mills Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 53. Washington Mills Recent Developments/Updates
- Table 54. ACS Material Basic Information, Manufacturing Base and Competitors
- Table 55. ACS Material Major Business
- Table 56. ACS Material Whisker Materials Product and Services
- Table 57. ACS Material Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 58. ACS Material Recent Developments/Updates
- Table 59. Zibo Jianzong Composite Material Basic Information, Manufacturing Base and Competitors
- Table 60. Zibo Jianzong Composite Material Major Business
- Table 61. Zibo Jianzong Composite Material Whisker Materials Product and Services
- Table 62. Zibo Jianzong Composite Material Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 63. Zibo Jianzong Composite Material Recent Developments/Updates
- Table 64. Xi'an Boer New Material Basic Information, Manufacturing Base and Competitors
- Table 65. Xi'an Boer New Material Major Business
- Table 66. Xi'an Boer New Material Whisker Materials Product and Services
- Table 67. Xi'an Boer New Material Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 68. Xi'an Boer New Material Recent Developments/Updates
- Table 69. Hongwu New Material (Xuzhou Jiechuang) Basic Information, Manufacturing Base and Competitors
- Table 70. Hongwu New Material (Xuzhou Jiechuang) Major Business
- Table 71. Hongwu New Material (Xuzhou Jiechuang) Whisker Materials Product and Services
- Table 72. Hongwu New Material (Xuzhou Jiechuang) Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 73. Hongwu New Material (Xuzhou Jiechuang) Recent Developments/Updates
- Table 74. Jiangxi Dishi Mineral Fiber Technology Basic Information, Manufacturing Base and Competitors
- Table 75. Jiangxi Dishi Mineral Fiber Technology Major Business
- Table 76. Jiangxi Dishi Mineral Fiber Technology Whisker Materials Product and Services

Table 77. Jiangxi Dishi Mineral Fiber Technology Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Jiangxi Dishi Mineral Fiber Technology Recent Developments/Updates

Table 79. Nantong Aoxin Electronic Technology Basic Information, Manufacturing Base and Competitors

Table 80. Nantong Aoxin Electronic Technology Major Business

Table 81. Nantong Aoxin Electronic Technology Whisker Materials Product and Services

Table 82. Nantong Aoxin Electronic Technology Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 83. Nantong Aoxin Electronic Technology Recent Developments/Updates

Table 84. Guilin Qihong Technology Basic Information, Manufacturing Base and Competitors

Table 85. Guilin Qihong Technology Major Business

Table 86. Guilin Qihong Technology Whisker Materials Product and Services

Table 87. Guilin Qihong Technology Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 88. Guilin Qihong Technology Recent Developments/Updates

Table 89. JELU-Werk Basic Information, Manufacturing Base and Competitors

Table 90. JELU-Werk Major Business

Table 91. JELU-Werk Whisker Materials Product and Services

Table 92. JELU-Werk Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 93. JELU-Werk Recent Developments/Updates

Table 94. CelluForce Basic Information, Manufacturing Base and Competitors

Table 95. CelluForce Major Business

Table 96. CelluForce Whisker Materials Product and Services

Table 97. CelluForce Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 98. CelluForce Recent Developments/Updates

Table 99. Melodea Basic Information, Manufacturing Base and Competitors

Table 100. Melodea Major Business

Table 101. Melodea Whisker Materials Product and Services

Table 102. Melodea Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Melodea Recent Developments/Updates

Table 104. Chuetsu Pulp & Paper Basic Information, Manufacturing Base and

## Competitors

Table 105. Chuetsu Pulp & Paper Major Business

Table 106. Chuetsu Pulp & Paper Whisker Materials Product and Services

Table 107. Chuetsu Pulp & Paper Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. Chuetsu Pulp & Paper Recent Developments/Updates

Table 109. Metal Whisker Technologies (JFE Steel, etc.) Basic Information, Manufacturing Base and Competitors

Table 110. Metal Whisker Technologies (JFE Steel, etc.) Major Business

Table 111. Metal Whisker Technologies (JFE Steel, etc.) Whisker Materials Product and Services

Table 112. Metal Whisker Technologies (JFE Steel, etc.) Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 113. Metal Whisker Technologies (JFE Steel, etc.) Recent Developments/Updates

Table 114. Sumitomo Metal Mining Basic Information, Manufacturing Base and Competitors

Table 115. Sumitomo Metal Mining Major Business

Table 116. Sumitomo Metal Mining Whisker Materials Product and Services

Table 117. Sumitomo Metal Mining Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 118. Sumitomo Metal Mining Recent Developments/Updates

Table 119. American Elements Basic Information, Manufacturing Base and Competitors

Table 120. American Elements Major Business

Table 121. American Elements Whisker Materials Product and Services

Table 122. American Elements Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 123. American Elements Recent Developments/Updates

Table 124. Stanford Advanced Materials Basic Information, Manufacturing Base and Competitors

Table 125. Stanford Advanced Materials Major Business

Table 126. Stanford Advanced Materials Whisker Materials Product and Services

Table 127. Stanford Advanced Materials Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 128. Stanford Advanced Materials Recent Developments/Updates

Table 129. Nanoshel Basic Information, Manufacturing Base and Competitors

Table 130. Nanoshel Major Business

- Table 131. Nanoshel Whisker Materials Product and Services
- Table 132. Nanoshel Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 133. Nanoshel Recent Developments/Updates
- Table 134. Goodfellow Basic Information, Manufacturing Base and Competitors
- Table 135. Goodfellow Major Business
- Table 136. Goodfellow Whisker Materials Product and Services
- Table 137. Goodfellow Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 138. Goodfellow Recent Developments/Updates
- Table 139. AlzChem Group Basic Information, Manufacturing Base and Competitors
- Table 140. AlzChem Group Major Business
- Table 141. AlzChem Group Whisker Materials Product and Services
- Table 142. AlzChem Group Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 143. AlzChem Group Recent Developments/Updates
- Table 144. IoLiTec Basic Information, Manufacturing Base and Competitors
- Table 145. IoLiTec Major Business
- Table 146. IoLiTec Whisker Materials Product and Services
- Table 147. IoLiTec Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 148. IoLiTec Recent Developments/Updates
- Table 149. NP Whisker (SNIRI) Basic Information, Manufacturing Base and Competitors
- Table 150. NP Whisker (SNIRI) Major Business
- Table 151. NP Whisker (SNIRI) Whisker Materials Product and Services
- Table 152. NP Whisker (SNIRI) Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 153. NP Whisker (SNIRI) Recent Developments/Updates
- Table 154. Eno Material Basic Information, Manufacturing Base and Competitors
- Table 155. Eno Material Major Business
- Table 156. Eno Material Whisker Materials Product and Services
- Table 157. Eno Material Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)
- Table 158. Eno Material Recent Developments/Updates
- Table 159. Zibo Jurong New Material Basic Information, Manufacturing Base and Competitors
- Table 160. Zibo Jurong New Material Major Business
- Table 161. Zibo Jurong New Material Whisker Materials Product and Services
- Table 162. Zibo Jurong New Material Whisker Materials Sales Quantity (Tons), Average

Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Zibo Jurong New Material Recent Developments/Updates

Table 164. Shenyang Meixi Fine Chemical Basic Information, Manufacturing Base and Competitors

Table 165. Shenyang Meixi Fine Chemical Major Business

Table 166. Shenyang Meixi Fine Chemical Whisker Materials Product and Services

Table 167. Shenyang Meixi Fine Chemical Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 168. Shenyang Meixi Fine Chemical Recent Developments/Updates

Table 169. Tangshan Crystal Whisker Composites Manufacturing Basic Information, Manufacturing Base and Competitors

Table 170. Tangshan Crystal Whisker Composites Manufacturing Major Business

Table 171. Tangshan Crystal Whisker Composites Manufacturing Whisker Materials Product and Services

Table 172. Tangshan Crystal Whisker Composites Manufacturing Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 173. Tangshan Crystal Whisker Composites Manufacturing Recent Developments/Updates

Table 174. Xuzhou Zorui Chemical Basic Information, Manufacturing Base and Competitors

Table 175. Xuzhou Zorui Chemical Major Business

Table 176. Xuzhou Zorui Chemical Whisker Materials Product and Services

Table 177. Xuzhou Zorui Chemical Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 178. Xuzhou Zorui Chemical Recent Developments/Updates

Table 179. Hunan Jinxing New Material Basic Information, Manufacturing Base and Competitors

Table 180. Hunan Jinxing New Material Major Business

Table 181. Hunan Jinxing New Material Whisker Materials Product and Services

Table 182. Hunan Jinxing New Material Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 183. Hunan Jinxing New Material Recent Developments/Updates

Table 184. Guangzhou Hongwu Material Technology Basic Information, Manufacturing Base and Competitors

Table 185. Guangzhou Hongwu Material Technology Major Business

Table 186. Guangzhou Hongwu Material Technology Whisker Materials Product and

## Services

Table 187. Guangzhou Hongwu Material Technology Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 188. Guangzhou Hongwu Material Technology Recent Developments/Updates

Table 189. Tingyue Technology Basic Information, Manufacturing Base and Competitors

Table 190. Tingyue Technology Major Business

Table 191. Tingyue Technology Whisker Materials Product and Services

Table 192. Tingyue Technology Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 193. Tingyue Technology Recent Developments/Updates

Table 194. Zhejiang Jingangyun Basic Information, Manufacturing Base and Competitors

Table 195. Zhejiang Jingangyun Major Business

Table 196. Zhejiang Jingangyun Whisker Materials Product and Services

Table 197. Zhejiang Jingangyun Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 198. Zhejiang Jingangyun Recent Developments/Updates

Table 199. Shanghai Promaterial Industry Basic Information, Manufacturing Base and Competitors

Table 200. Shanghai Promaterial Industry Major Business

Table 201. Shanghai Promaterial Industry Whisker Materials Product and Services

Table 202. Shanghai Promaterial Industry Whisker Materials Sales Quantity (Tons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 203. Shanghai Promaterial Industry Recent Developments/Updates

Table 204. Global Whisker Materials Sales Quantity by Manufacturer (2021-2026) & (Tons)

Table 205. Global Whisker Materials Revenue by Manufacturer (2021-2026) & (USD Million)

Table 206. Global Whisker Materials Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 207. Market Position of Manufacturers in Whisker Materials, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 208. Head Office and Whisker Materials Production Site of Key Manufacturer

Table 209. Whisker Materials Market: Company Product Type Footprint

Table 210. Whisker Materials Market: Company Product Application Footprint

Table 211. Whisker Materials New Market Entrants and Barriers to Market Entry

Table 212. Whisker Materials Mergers, Acquisition, Agreements, and Collaborations

Table 213. Global Whisker Materials Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 214. Global Whisker Materials Sales Quantity by Region (2021-2026) & (Tons)

Table 215. Global Whisker Materials Sales Quantity by Region (2027-2032) & (Tons)

Table 216. Global Whisker Materials Consumption Value by Region (2021-2026) & (USD Million)

Table 217. Global Whisker Materials Consumption Value by Region (2027-2032) & (USD Million)

Table 218. Global Whisker Materials Average Price by Region (2021-2026) & (US\$/Ton)

Table 219. Global Whisker Materials Average Price by Region (2027-2032) & (US\$/Ton)

Table 220. Global Whisker Materials Sales Quantity by Type (2021-2026) & (Tons)

Table 221. Global Whisker Materials Sales Quantity by Type (2027-2032) & (Tons)

Table 222. Global Whisker Materials Consumption Value by Type (2021-2026) & (USD Million)

Table 223. Global Whisker Materials Consumption Value by Type (2027-2032) & (USD Million)

Table 224. Global Whisker Materials Average Price by Type (2021-2026) & (US\$/Ton)

Table 225. Global Whisker Materials Average Price by Type (2027-2032) & (US\$/Ton)

Table 226. Global Whisker Materials Sales Quantity by Application (2021-2026) & (Tons)

Table 227. Global Whisker Materials Sales Quantity by Application (2027-2032) & (Tons)

Table 228. Global Whisker Materials Consumption Value by Application (2021-2026) & (USD Million)

Table 229. Global Whisker Materials Consumption Value by Application (2027-2032) & (USD Million)

Table 230. Global Whisker Materials Average Price by Application (2021-2026) & (US\$/Ton)

Table 231. Global Whisker Materials Average Price by Application (2027-2032) & (US\$/Ton)

Table 232. North America Whisker Materials Sales Quantity by Type (2021-2026) & (Tons)

Table 233. North America Whisker Materials Sales Quantity by Type (2027-2032) & (Tons)

Table 234. North America Whisker Materials Sales Quantity by Application (2021-2026) & (Tons)

Table 235. North America Whisker Materials Sales Quantity by Application (2027-2032) & (Tons)

Table 236. North America Whisker Materials Sales Quantity by Country (2021-2026) & (Tons)

Table 237. North America Whisker Materials Sales Quantity by Country (2027-2032) & (Tons)

Table 238. North America Whisker Materials Consumption Value by Country (2021-2026) & (USD Million)

Table 239. North America Whisker Materials Consumption Value by Country (2027-2032) & (USD Million)

Table 240. Europe Whisker Materials Sales Quantity by Type (2021-2026) & (Tons)

Table 241. Europe Whisker Materials Sales Quantity by Type (2027-2032) & (Tons)

Table 242. Europe Whisker Materials Sales Quantity by Application (2021-2026) & (Tons)

Table 243. Europe Whisker Materials Sales Quantity by Application (2027-2032) & (Tons)

Table 244. Europe Whisker Materials Sales Quantity by Country (2021-2026) & (Tons)

Table 245. Europe Whisker Materials Sales Quantity by Country (2027-2032) & (Tons)

Table 246. Europe Whisker Materials Consumption Value by Country (2021-2026) & (USD Million)

Table 247. Europe Whisker Materials Consumption Value by Country (2027-2032) & (USD Million)

Table 248. Asia-Pacific Whisker Materials Sales Quantity by Type (2021-2026) & (Tons)

Table 249. Asia-Pacific Whisker Materials Sales Quantity by Type (2027-2032) & (Tons)

Table 250. Asia-Pacific Whisker Materials Sales Quantity by Application (2021-2026) & (Tons)

Table 251. Asia-Pacific Whisker Materials Sales Quantity by Application (2027-2032) & (Tons)

Table 252. Asia-Pacific Whisker Materials Sales Quantity by Region (2021-2026) & (Tons)

Table 253. Asia-Pacific Whisker Materials Sales Quantity by Region (2027-2032) & (Tons)

Table 254. Asia-Pacific Whisker Materials Consumption Value by Region (2021-2026) & (USD Million)

Table 255. Asia-Pacific Whisker Materials Consumption Value by Region (2027-2032) & (USD Million)

Table 256. South America Whisker Materials Sales Quantity by Type (2021-2026) & (Tons)

Table 257. South America Whisker Materials Sales Quantity by Type (2027-2032) &

(Tons)

Table 258. South America Whisker Materials Sales Quantity by Application (2021-2026) & (Tons)

Table 259. South America Whisker Materials Sales Quantity by Application (2027-2032) & (Tons)

Table 260. South America Whisker Materials Sales Quantity by Country (2021-2026) & (Tons)

Table 261. South America Whisker Materials Sales Quantity by Country (2027-2032) & (Tons)

Table 262. South America Whisker Materials Consumption Value by Country (2021-2026) & (USD Million)

Table 263. South America Whisker Materials Consumption Value by Country (2027-2032) & (USD Million)

Table 264. Middle East & Africa Whisker Materials Sales Quantity by Type (2021-2026) & (Tons)

Table 265. Middle East & Africa Whisker Materials Sales Quantity by Type (2027-2032) & (Tons)

Table 266. Middle East & Africa Whisker Materials Sales Quantity by Application (2021-2026) & (Tons)

Table 267. Middle East & Africa Whisker Materials Sales Quantity by Application (2027-2032) & (Tons)

Table 268. Middle East & Africa Whisker Materials Sales Quantity by Country (2021-2026) & (Tons)

Table 269. Middle East & Africa Whisker Materials Sales Quantity by Country (2027-2032) & (Tons)

Table 270. Middle East & Africa Whisker Materials Consumption Value by Country (2021-2026) & (USD Million)

Table 271. Middle East & Africa Whisker Materials Consumption Value by Country (2027-2032) & (USD Million)

Table 272. Whisker Materials Raw Material

Table 273. Key Manufacturers of Whisker Materials Raw Materials

Table 274. Whisker Materials Typical Distributors

Table 275. Whisker Materials Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Whisker Materials Picture

Figure 2. Global Whisker Materials Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Whisker Materials Revenue Market Share by Type in 2025

Figure 4. Non-oxide Ceramic Whisker (SiC, Si<sub>3</sub>N<sub>4</sub>, etc.) Examples

Figure 5. Oxide Ceramic Whisker (Al<sub>2</sub>O<sub>3</sub>, ZnO, Al<sub>2</sub>B<sub>2</sub>O<sub>7</sub>, etc.) Examples

Figure 6. Salt-type Whisker (CaSO<sub>4</sub>, CaCO<sub>3</sub>, Mg(OH)<sub>2</sub>, etc.) Examples

Figure 7. Metal Whisker (Fe, Ni, Cu, etc., artificially grown) Examples

Figure 8. Organic Whisker (cellulose, chitin) Examples

Figure 9. Global Whisker Materials Revenue by Aspect Ratio, (USD Million), 2021 & 2025 & 2032

Figure 10. Global Whisker Materials Revenue Market Share by Aspect Ratio in 2025

Figure 11. Low Aspect Ratio (AR 10–30) Examples

Figure 12. Medium Aspect Ratio (AR 30–100) Examples

Figure 13. High Aspect Ratio (AR >100) Examples

Figure 14. Global Whisker Materials Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 15. Global Whisker Materials Revenue Market Share by Application in 2025

Figure 16. Aerospace & Defense Examples

Figure 17. Automotive Friction & Powertrain Examples

Figure 18. Plastics & Rubber Modification Examples

Figure 19. Electronics & Battery Examples

Figure 20. Green Packaging & Biomedical Examples

Figure 21. Others Examples

Figure 22. Global Whisker Materials Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 23. Global Whisker Materials Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 24. Global Whisker Materials Sales Quantity (2021-2032) & (Tons)

Figure 25. Global Whisker Materials Price (2021-2032) & (US\$/Ton)

Figure 26. Global Whisker Materials Sales Quantity Market Share by Manufacturer in 2025

Figure 27. Global Whisker Materials Revenue Market Share by Manufacturer in 2025

Figure 28. Producer Shipments of Whisker Materials by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 29. Top 3 Whisker Materials Manufacturer (Revenue) Market Share in 2025

Figure 30. Top 6 Whisker Materials Manufacturer (Revenue) Market Share in 2025

Figure 31. Global Whisker Materials Sales Quantity Market Share by Region (2021-2032)

Figure 32. Global Whisker Materials Consumption Value Market Share by Region (2021-2032)

Figure 33. North America Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 34. Europe Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 35. Asia-Pacific Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 36. South America Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 37. Middle East & Africa Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 38. Global Whisker Materials Sales Quantity Market Share by Type (2021-2032)

Figure 39. Global Whisker Materials Consumption Value Market Share by Type (2021-2032)

Figure 40. Global Whisker Materials Average Price by Type (2021-2032) & (US\$/Ton)

Figure 41. Global Whisker Materials Sales Quantity Market Share by Application (2021-2032)

Figure 42. Global Whisker Materials Revenue Market Share by Application (2021-2032)

Figure 43. Global Whisker Materials Average Price by Application (2021-2032) & (US\$/Ton)

Figure 44. North America Whisker Materials Sales Quantity Market Share by Type (2021-2032)

Figure 45. North America Whisker Materials Sales Quantity Market Share by Application (2021-2032)

Figure 46. North America Whisker Materials Sales Quantity Market Share by Country (2021-2032)

Figure 47. North America Whisker Materials Consumption Value Market Share by Country (2021-2032)

Figure 48. United States Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 49. Canada Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 50. Mexico Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 51. Europe Whisker Materials Sales Quantity Market Share by Type (2021-2032)

Figure 52. Europe Whisker Materials Sales Quantity Market Share by Application (2021-2032)

Figure 53. Europe Whisker Materials Sales Quantity Market Share by Country (2021-2032)

Figure 54. Europe Whisker Materials Consumption Value Market Share by Country (2021-2032)

Figure 55. Germany Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 56. France Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 57. United Kingdom Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 58. Russia Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 59. Italy Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 60. Asia-Pacific Whisker Materials Sales Quantity Market Share by Type (2021-2032)

Figure 61. Asia-Pacific Whisker Materials Sales Quantity Market Share by Application (2021-2032)

Figure 62. Asia-Pacific Whisker Materials Sales Quantity Market Share by Region (2021-2032)

Figure 63. Asia-Pacific Whisker Materials Consumption Value Market Share by Region (2021-2032)

Figure 64. China Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 65. Japan Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 66. South Korea Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 67. India Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 68. Southeast Asia Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 69. Australia Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 70. South America Whisker Materials Sales Quantity Market Share by Type (2021-2032)

Figure 71. South America Whisker Materials Sales Quantity Market Share by Application (2021-2032)

Figure 72. South America Whisker Materials Sales Quantity Market Share by Country (2021-2032)

Figure 73. South America Whisker Materials Consumption Value Market Share by Country (2021-2032)

Figure 74. Brazil Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 75. Argentina Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 76. Middle East & Africa Whisker Materials Sales Quantity Market Share by Type (2021-2032)

Figure 77. Middle East & Africa Whisker Materials Sales Quantity Market Share by Application (2021-2032)

Figure 78. Middle East & Africa Whisker Materials Sales Quantity Market Share by Country (2021-2032)

Figure 79. Middle East & Africa Whisker Materials Consumption Value Market Share by Country (2021-2032)

Figure 80. Turkey Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 81. Egypt Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 82. Saudi Arabia Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 83. South Africa Whisker Materials Consumption Value (2021-2032) & (USD Million)

Figure 84. Whisker Materials Market Drivers

Figure 85. Whisker Materials Market Restraints

Figure 86. Whisker Materials Market Trends

Figure 87. Porters Five Forces Analysis

Figure 88. Manufacturing Cost Structure Analysis of Whisker Materials in 2025

Figure 89. Manufacturing Process Analysis of Whisker Materials

Figure 90. Whisker Materials Industrial Chain

Figure 91. Sales Channel: Direct to End-User vs Distributors

Figure 92. Direct Channel Pros & Cons

Figure 93. Indirect Channel Pros & Cons

Figure 94. Methodology

Figure 95. Research Process and Data Source

## I would like to order

Product name: Global Whisker Materials Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

Product link: <https://marketpublishers.com/r/GAA0D620E006EN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GAA0D620E006EN.html>