

Global Nano-Silver Particle Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Nano-Silver Particle market size was valued at US\$ 440 million in 2023 and is forecast to a readjusted size of USD 709 million by 2030 with a CAGR of 7.3% during review period.

Nanosilver is a metallic silver with a diameter less than 100 nanometers, generally between 20 and 50 nanometers. Nanosilver is a silver particle composed of an atomic structure, not a silver ion. Nanosilver is a solid powder without an electric charge. It is a metallic silver single substance processed into a metallic silver single substance with a particle diameter less than 100 nanometers by physical and chemical methods.

Nanosilver is a black powder, and its products are made by mixing nanosilver into a medium or matrix in different ways.

The nano-silver particle market has been experiencing significant growth due to the unique properties and diverse applications of these particles. Some of the key factors driving the market are: Increasing demand for antimicrobial coatings: Nano-silver particles exhibit powerful antimicrobial properties, making them suitable for use in coatings and surfaces that require enhanced protection against bacteria, viruses, and other pathogens. The rising awareness of hygiene and infection control measures in various industries, such as healthcare, food, and packaging, has propelled the demand for these coatings. Advancements in electronics and electrical industry: Nano-silver particles find applications in electronics for their conductive properties. They are used in conductive inks, pastes, and adhesives for printed circuit boards (PCBs), flexible electronics, and electronic packaging. The growing demand for miniaturized electronic devices, wearables, and Internet of Things (IoT) devices has contributed to the growth of the nano-silver particle market in this sector. Healthcare and medical applications: Nano-silver particles are utilized in various healthcare and medical applications, such as

wound dressings, medical textiles, and implant coatings. The antimicrobial properties of nano-silver particles help prevent infections and promote healing. The increasing focus on infection control and the need for advanced medical technologies are driving the demand for nano-silver particles in the healthcare sector. Water and air purification: Nano-silver particles are effective in water and air purification systems due to their antimicrobial properties. They can help eliminate harmful bacteria and viruses, making them suitable for use in filters, membranes, and disinfection systems. The need for clean and safe water and air in industries such as water treatment, pharmaceuticals, and food processing is fueling the demand for nano-silver particles. Growing research and development activities: Ongoing research and development efforts in nanotechnology have led to the discovery of new applications for nano-silver particles. Researchers are exploring their potential in areas such as catalysis, sensors, energy storage, and environmental remediation. These advancements are likely to provide further growth opportunities for the global nano-silver particle market. The global nano-silver particle market is competitive and includes both multinational companies and small-scale manufacturers. Factors such as product quality, regulatory compliance, pricing, and customer support play a crucial role in determining the market share of individual companies.

This report is a detailed and comprehensive analysis for global Nano-Silver Particle 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 2024, are provided.

Key Features:

Global Nano-Silver Particle market size and forecasts, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2019-2030

Global Nano-Silver Particle market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2019-2030

Global Nano-Silver Particle market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2019-2030

Global Nano-Silver Particle market shares of main players, shipments in revenue (\$ Million), sales quantity (kg), and ASP (US\$/kg), 2019-2024

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 Nano-Silver Particle

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 Nano-Silver Particle 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 DOWA Electronics, Nanoshel, Oceania International LLC, NovaCentrix, Guangzhou Hongwu Materials Technology, Zhejiang Yamei Nanotechnology, Hunan Zhongrui New Materials Technology, Shanghai Xiangtian Nanomaterials, Fulangshi (Beijing) Nanotechnology, Jiangsu Xianfeng Nanomaterials Technology, etc.

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

Market Segmentation

Nano-Silver Particle market is split by Type and by Application. For the period 2019-2030, 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

- Particle size less than 50nm
- Particle size 50-100nm

Market segment by Application

- Antibacterial Materials
- Conductive Paste
- Catalysts
- Others

Major players covered

- DOWA Electronics
- Nanoshel
- Oceania International LLC

- NovaCentrix
- Guangzhou Hongwu Materials Technology
- Zhejiang Yamei Nanotechnology
- Hunan Zhongrui New Materials Technology
- Shanghai Xiangtian Nanomaterials
- Fulangshi (Beijing) Nanotechnology
- Jiangsu Xianfeng Nanomaterials Technology

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 Nano-Silver Particle product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Nano-Silver Particle, with price, sales quantity, revenue, and global market share of Nano-Silver Particle from 2019 to 2024.

Chapter 3, the Nano-Silver Particle competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Nano-Silver Particle breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and Nano-Silver Particle market forecast, by regions, by Type, and by

Application, with sales and revenue, from 2025 to 2030.

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 Nano-Silver Particle.

Chapter 14 and 15, to describe Nano-Silver Particle sales channel, distributors, customers, research findings and conclusion.

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