

# **Global Gold Nanoparticles Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031**

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## **Abstracts**

According to our (Global Info Research) latest study, the global Gold Nanoparticles market size was valued at US\$ 114 million in 2024 and is forecast to a readjusted size of USD 252 million by 2031 with a CAGR of 12.1% during review period.

Gold nanoparticles are particles with diameters in the 1-100nm range and have unique optical and physical properties. These unique optical-electronics properties have been researched and utilized in high technology applications such as organic photovoltaics, sensory probes, therapeutic agents, drug delivery in biological and medical applications, electronic conductors and catalysis. The optical and electronic properties of gold nanoparticles are tunable by changing the size, shape, surface chemistry, or aggregation state.

Gold nanoparticle, a type of special compound, is mainly classified into water, oil, etc. And water soluble type is the most widely used type which takes up about 75% share globally. Gold nanoparticles are mainly made from chloroauric acid and reducing agents (sodium citrate, sodium borohydride, hydrazine hydrate, etc.), modifiers (amino acids, DNA, mercaptans, polymers, etc.). It is mainly used in pharmaceutical laboratories to detect biomarkers and eradicate targeted tumors.

This report is a detailed and comprehensive analysis for global Gold Nanoparticles 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 Gold Nanoparticles market size and forecasts, in consumption value (\$ Million), sales quantity (L), and average selling prices (USD/L), 2020-2031

Global Gold Nanoparticles market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (L), and average selling prices (USD/L), 2020-2031

Global Gold Nanoparticles market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (L), and average selling prices (USD/L), 2020-2031

Global Gold Nanoparticles market shares of main players, shipments in revenue (\$ Million), sales quantity (L), and ASP (USD/L), 2020-2025

#### 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 Gold Nanoparticles

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 Gold Nanoparticles 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 Nanopartz, Nanocs, nanoComposix, BBI Solutions, Cline Scientific, Cytodiagnosics, Sigma Aldrich, Tanaka Technologies, Expedeon, NanoSeedz, etc.

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

#### Market Segmentation

Gold Nanoparticles market is split by Type and by Application. For the period 2020-2031, 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

Water Soluble Gold Nanoparticles

Oil Soluble Gold Nanoparticles

Both Phase Soluble Gold Nanoparticles

#### Market segment by Application

Life Science

Industrials

#### Major players covered

Nanopartz

Nanocs

nanoComposix

BBI Solutions

Cline Scientific

Cytodiagnostics

Sigma Aldrich

Tanaka Technologies

Expedeon

NanoSeedz

NanoHybrids

Hongwu New Material

Metalor Technologies SA

Solaris Nanoscinces

Meliorum Technologies

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 Gold Nanoparticles product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Gold Nanoparticles, with price, sales quantity, revenue, and global market share of Gold Nanoparticles from 2020 to 2025.

Chapter 3, the Gold Nanoparticles competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape

contrast.

Chapter 4, the Gold Nanoparticles breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Gold Nanoparticles market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Gold Nanoparticles.

Chapter 14 and 15, to describe Gold Nanoparticles sales channel, distributors, customers, research findings and conclusion.

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