

Metal Nanoparticles Market Forecasts to 2028 – Global Analysis By Synthesis Method (Chemical Methods, Physical Methods), Metal (Copper, Gold, Iron, Nickel, Platinum), End User (Catalyst, Electrical & Electronics) and By Geography

<https://marketpublishers.com/r/M95A726D078EEN.html>

Date: August 2021

Pages: 150

Price: US\$ 4,150.00 (Single User License)

ID: M95A726D078EEN

Abstracts

According to Statistics MRC, the Global Metal Nanoparticles Market is accounted for \$19.10 billion in 2020 and is expected to reach \$67.07 billion by 2028 growing at a CAGR of 17.0% during the forecast period. Some of the factors such as growing popularity of gold nanoparticles in the pharmaceutical and increasing application areas of nanoparticles are the major factors propelling the market growth. However, highly complex and expensive manufacturing is hampering the market growth.

Metal nanoparticles are also known as micron-scale pure metals which are produced by chemical, physical, or biological processes. These nanoparticles are antibacterial, antifungal, and antimicrobial which is useful in the healthcare sector. Metal nanoparticles arise from different physical processes. Metal nanoparticles are of range 1-100 nm and with various dimensions and also have various shapes, sizes, composition, and surface coatings technology.

Based on the metal, the silver segment holds the largest share in the market. Silver nanoparticles' unique electrical, thermal, and optical properties widen their applications from photovoltaics to chemical sensors and biological. An increase in the application scope of silver nanoparticles in the healthcare industry is expected to further boost their demand in the next few years.

By geography, the Asia Pacific is going to have lucrative growth during the forecast period due to factors such as the growth of the pharmaceutical and electronics

industries, and investments in nanotechnology research. China and India are projected to be lucrative due to their rising end-use industries and supportive government initiatives.

Some of the key players profiled in the Metal Nanoparticles Market include American Elements, BBI Solutions, Blacktrace Holdings Ltd., Cline Scientific AB, Cytodiagnostics Inc., SkySpring Nanomaterials, Inc., Hongwu International Group Ltd., Meliorum Technologies, Inc., MilliporeSigma, Nano Labs, nanoComposix, Strem Chemicals, Inc., Nanopartz Inc., Nanoshel LLC, Nanostructured & Amorphous Materials, Inc., Particular GmbH, PlasmaChem GmbH, and QuantumSphere, Inc.

Synthesis Methods Covered:

Bio-Based/Biological Methods

Chemical Methods

Physical Methods

Metals Covered:

Copper

Gold

Iron

Nickel

Platinum

Silver

Titanium

Graphite

End Users Covered:

Catalyst

Electrical & Electronics

Personal Care & Cosmetics

Pharmaceutical & Healthcare

Food & Beverage

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

Strategic recommendations for the new entrants

Covers Market data for the years 2019, 2020, 2021, 2025, and 2028

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

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical

presence, and strategic alliances

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