Metal Nano Particles Market is Growing at a Healthy CAGR of 19.58% from 2021 to 2028

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NEWARK, UNITED STATES, NEW JERSEY, November 17, 2021 /EINPresswire.com/ -- As per the report published by The Brainy Insights, the Global Metal Nano Particles Market seems to reach USD 62.03 billion by 2028, at a CAGR of 19.58% from 2021 to 2028. Asia Pacific region is having the highest market share of USD 5.96 Billion in 2020. This is because of the surging demand for metal nanoparticles by the health care and electronic industries. The demand in the emerging economies of the region for the cosmetics, healthcare and electronics product would increase. North America had the second-largest market value of USD 3.68 Billion in 2020. This is due to the advancement of technology in the electronics and semiconductor industry and the surge in the expenditure of healthcare sector.

Key players for the global metal nanoparticles market include American Elements, Nanoshel, Nanostructured & Amorphous Materials, EPRUI Nanoparticles & Microspheres, US Research Nanomaterials, Meliorum Technologies, nanoComposix, BBI Group, Nanocs, Strem Chemicals and Tanaka Holdings. among others.

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The metal segment is divided into the Platinum, Gold, Silver, Iron, Titanium, Copper, Nickel and others. The Gold segment is accounted for the highest market value of USD 4.60 Billion in 2020. The antimicrobial properties and electronic properties of gold nanoparticles have drawn the attention of all the health care industries and electronic industries. The end-user segment includes pharmaceutical & healthcare, electrical & electronics, catalyst, personal care & cosmetics and others. The pharmaceutical & healthcare accounts for 40.14% of the market share in 2020. This can be used in the diagnosis of diseases. The nanosize of the metal nanoparticles helps in interacting with the biomolecules in a much better way both inside the cell and at the surface, thus led to better diagnostics and therapeutics results.

The synthesis process segment consists of chemical methods, physical method and bio-based methods. The bio-based segment accounted for USD 6.39 Billion of market value in 2020. This method is safe, cheap and environment friendly when compared to conventional chemical synthesis process.

The high cost of metal nanoparticles is acting as a major restraint for the market. The metal nanoparticles are broadly used in many end-user sectors from healthcare to cosmetics and from pharmaceuticals to electric and electronic sectors. The high price of nanoparticles would lead to an increase in the price of the product. All the end-user companies have to increase the price of the product in which metal nanoparticles are used to get the acceptable profit margin in the forecasting sales estimated. The high price of the products could lead to fewer sales as there are other alternatives and substitute for the products in the market.

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