

Global ZnO Nanoparticles 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 ZnO Nanoparticles market size was valued at USD 281.9 million in 2023 and is forecast to a readjusted size of USD 460.9 million by 2030 with a CAGR of 7.3% during review period.

Zinc oxide nanoparticles are nanoparticles of zinc oxide (ZnO) that have diameters less than 100 nanometers. They have a large surface area relative to their size and high catalytic activity. The exact physical and chemical properties of zinc oxide nanoparticles depend on the different ways they are synthesized. Some possible ways to produce ZnO nano-particles are laser ablation, hydrothermal methods, electrochemical depositions, sol-gel method, chemical vapor deposition, thermal decomposition, combustion methods, ultrasound, microwave-assisted combustion method, two-step mechanochemical-thermal synthesis, anodization, co-precipitation, electrophoretic deposition, and precipitation processes using solution concentration, pH, and washing medium. ZnO is a wide-bandgap semiconductor with an energy gap of 3.37 eV at room temperature.

Yuguang Gold & Lead, BYK and EverZinc are the Top 3 players in the global ZnO Nanoparticles market. They took up about 29.84% of the global revenue share in 2019. Other players include Hakusui Tech (5.49%), Tata Chemicals (5.47%), Shaanxi Sino-Academy Nano-Material (5.14%), Jiyuan Lutai Nanomaterials (5.01%), Sakai Chemical (4.58%), Nanophase Technology (3.97%), Shandong Xinya New Material (3.12%), Grillo (2.40%), Jiangxi YUAER (2.38%) and Lanzhou Yellow River Institute of Zinc and Magnesium Nanomaterial (0.42%).

The Global Info Research report includes an overview of the development of the ZnO

Nanoparticles industry chain, the market status of Rubber (Particle Size

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