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The Global Market for Metal and Metal Oxide Nanoparticles and Nanopowders 2020

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Abstracts

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The Global Market for Metal and Metal Oxide Nanoparticles and Nanopowders provides the latest information and historical data on these advanced materials, covering production volumes, pricing, producers and end user market demand. Demand has also been amended to address market dynamics related to the COVID-19 pandemic, across various scenarios.

The properties of metal and metal oxide nanoparticles (also referred to as nanopowders or nanocrystals) display enhanced electrical, optical, magnetic and chemical properties from the bulk material of which they are made. Advances largely depend on the ability to synthesize nanoparticles of various materials, sizes, and shapes, as well as to efficiently assemble them into complex architectures. Most manufactured nanomaterials are available with varying shapes, sizes, composition, surface coatings and surface morphology.They offer a range of functionalities that are desirable in a number of sectors such as anti-bacterialism, anti-corrosion, easy-clean, thermal barrier, protective and UV-absorbent and combinations thereof.

Their use will increase greatly in the next decade as they are manufactured in hundreds of thousands of tons for use in a diverse range of products in markets. These include consumer electronics, automobiles, paints and coatings, aerospace, sporting goods, household cleaning, construction and medicine.

The Global Market for Metal and Metal Oxide Nanoparticles and Nanopowders covers the following nanoparticles, applications, markets and producers thereof:

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Aluminium oxide nanoparticles

Antimony tin oxide nanoparticles

Bismuth oxide nanoparticles

Cerium oxide nanoparticles

Copper oxide nanoparticles

Gold nanoparticles

Iron oxide nanoparticles

Lithium nanoparticles

Magnesium oxide nanoparticles

Manganese oxide nanoparticles

Nanodiamonds

Nanosilver

Nickel nanoparticles

Palladium nanoparticles

Silicon oxide nanoparticles

Titanium dioxide nanoparticles

Yttrium oxide nanoparticles

Zinc oxide nanoparticles

Zirconium oxide nanoparticles

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Assessment of additional nanoparticles and nanopowders available for inclusion on request.

Report contents include:

Global market demand metal and metal oxide nanoparticles and nanopowders, tons, to 2030, conservative and optimistic estimates

Historical market demand data

Demand for metal and metal oxide nanoparticles and nanopowders, by region (Europe, North America, Asia-Pacific, Rest of the World)

Demand for metal and metal oxide nanoparticles and nanopowders, by end user market

Applications of metal and metal oxide nanoparticles and nanopowders-High volume applications, low volume applications and novel applications

Metal and metal oxide nanoparticles and nanopowders price per kilogram, price per ton and estimated production totals

Over 250 Metal and metal oxide nanoparticles and nanopowders producer and distributor profiles including products, production capacities, nanoparticles/nanopowde types produced, prices and contact details. Producers profiled include Aintech-Nanometals, Advanced Nano Products Co., LTd., AR Brown Co., Ltd., BYK-Chemie GmbH, Cerion Advanced Materials, Daicel Corporation, Daiichi Kigenso Kagaku Kogyo Co., Ltd., HakusuiTech Co., Ltd., INFINGENT Innovations AB, Nisshin Engineering, Inc. Promethean Particles, Saint-Gobain, Sumitomo Chemical Group and many more.

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