

The Global Nanomaterials Market Report 2022-2032

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Abstracts

Nanomaterials are increasingly becoming part of our daily lives and are already heavily used in products such as sunscreens (titanium dioxide/zinc oxide nanoparticles), sporting goods (carbon nanotubes, graphene etc.), automotive composites (nanotubes, graphene, cellulose nanofibers etc.) and high-definition TVs (quantum dots). Their use is only going to increase due to continued industry demand for nanomaterials for current and next generation batteries, biomedical imaging and flexible electronics.

Their novel properties, that are not apparent in larger forms of the same material, has led to their desirability and exploitation in a wide range of applications. Nanomaterials can be defined as substances that are intentionally produced, manufactured or engineered to have specific properties and one or more dimensions typically between 1 and 100 nanometres. Most nanomaterials are produced in multi-tonne volumes in varying sizes, shapes, and also in surface coatings. Nanomaterials cover a range of materials inorganic metal and metal oxide nanomaterials, carbon-based nanomaterials and polymeric particulate materials in a variety of forms.

The report offers:

In-depth analysis of the global market for nanomaterials, producers, and products.

Analysis of the following nanomaterials:

Aluminium oxide nanoparticles/powders

Antimony tin oxide nanoparticles/powders

Bismuth oxide nanoparticles/powders

Carbon nanotubes (MWCNTs, SWCNTs)

Cerium oxide nanoparticles/powders

Cobalt oxide nanoparticles/powders

Copper oxide nanoparticles/powders

Dendrimers

Fullerenes

Gold nanoparticles

Graphene (Graphene oxide; nanoplatelets from liquid phase-exfoliation and intercalation exfoliation; CVD graphene film).

Iron oxide nanoparticles/powders

Magnesium oxide nanoparticles/powders

Manganese oxide nanoparticles/powders

Nanocellulose (Cellulose nanofibers and cellulose nanocrystals)

Nanoclays

Nanodiamonds

Nanosilver

Nickel nanoparticles/powders

Quantum dots

Silicon oxide nanoparticles/powders

Titanium dioxide nanoparticles/powders

Zinc oxide nanoparticles/powders

Zirconium oxidenanoparticles/powders

Carbon nanohorns

Nanoprecipitated calcium carbonate

Graphene quantum dots/Carbon quantum dots

Hydroxypatite nanoparticles/powders

Palladium nanoparticles/powders

Yttrium oxide nanoparticles/powders

Boron Nitride nanotubes (BNNTs)

2D materials.

Assessment of nanomaterials market including production volumes, competitive landscape, commercial prospects, applications, demand by market and region, commercialization timelines, prices and producer profiles.

Analysis of global demand, including historical data from 2010, and projections to 2032, in metric tonnes.

Main application and product opportunities in nanomaterials.

Profiles of over 900 nanomaterials producers.

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