

The Global Market for Nanotechnology and Engineered Nanomaterials to 2033

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Abstracts

Engineered Nanomaterials (NMs) or nanoparticles (NPs) are defined based on their size; the sizes can vary up to 1000 nm though commonly defined as one dimension size between 1 and 100 nm. They can be synthesized artificially for commercial use, can be an unintentional by-product, or occur naturally. Nanotechnology (technology that utilizes NMs) has found application in a whole new generation of products and processes with enhanced properties. Commercialized products are available from a broad range of players in markets including consumer electronics, batteries, packaging, composites, biomedicine, healthcare and coatings.

At over 1130 pages, The Global Market for Nanotechnology and Engineered Nanomaterials to 2033 is a comprehensive assessment of the opportunities afforded by these remarkable materials and technologies. The report offers full market forecasts for nanomaterials and industrial sectors impacted by nanotechnology and engineered nanomaterials to 2033. As well as information on markets and products the latest data on environmental emissions is also included.

Report contents include:

In-depth analysis of the global market for nanotechnology and engineered nanomaterials based products.

Comprehensive listings of applications, producers, product developers and products.

Product database by market.

Analysis of current market for nanotech/nanomaterials-enabled products and forecasts and market outlook to 2033, by MT and revenues.

Analysis of environmental emissions from nanoparticles/nanomaterials.

Excel spreadsheets on Engineered nanomaterials production volumes, historical and forecast to 2033.

Market for nanotech/nanomaterials-enabled products, by region.

Global demand for Engineered nanomaterials globally (e.g. Carbon nanomaterials, quantum dots, metal and metal oxide nanomaterials and other nanomaterials) in terms of volume (MT).

Demand for nano-enabled products in globally by market (e.g. electronics, automotive, batteries, consumer goods, medicine, coatings and other relevant markets) in terms of revenues.

Assessment of competitive landscape, commercial prospects, applications, demand by market and region, stage of commercialization, prices and producer profiles.

TRL assessment for Engineered nanomaterials and end user markets.

Analysis of global trends, including historical data from 2010, and projections to 2033.

Exploration of Engineered nanomaterials and nanotech-enabled products market structures and value chains.

Assessment of end user markets for nanotechnology and Engineered nanomaterials including market drivers and trends, applications, market opportunity, market challenges and application and product developer profiles. Markets covered include adhesives, aerospace and aviation, automotive, Energy conversion, storage and generation technologies, sustainable technologies, biomedicine and healthcare, coatings & paints, composites, conductive inks, construction & buildings, cosmetics & sunscreens, electronics, photonics, filtration and environmental remediation, food and agriculture, fuel cells and hydrogen storage, household care and sanitary, lighting, lubricants,

marine, oil, gas and mining, packaging, rubber, security and defence, sensors, photovoltaics, batteries, textiles and apparel, 3D printing, catalysts, and thermoelectrics.

Unique assessment tools for the nanomaterials market, end user applications, economic impact, addressable markets and market challenges to provide the complete picture of where the real commercial opportunities in nanotechnology and nanomaterials are. Nanomaterials covered include metal & metal oxide nanoparticles/nanopowders, carbon nanomaterials, nanocellulose, nanoclays, dendrimers, quantum dots, other 2D materials.

Main application and product opportunities in nanotechnology and Engineerednanomaterials.

Profiles of over 1,500 nanotechnology and engineered nanomaterials producers and product developers.

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