

Global Nanotechnology Market

<https://marketpublishers.com/r/GEB45A96EB18EN.html>

Date: October 2023

Pages: 240

Price: US\$ 5,500.00 (Single User License)

ID: GEB45A96EB18EN

Abstracts

Report Scope:

This report examines the nanotechnology industry. Definitive and detailed estimates and forecasts of the global market are provided, followed by a detailed analysis of the nanosensors, nanodevices, nanomaterials, end users and regions. The market size includes the markets of both nanotech products and nanomaterials, as well as tools. It also focuses on the regulations and government-supported programs impacting this market. Regionally, the focus of the study will be the markets of North America, Europe, Asia-Pacific and the Rest of the World (RoW).

This report focuses on the global market for nanotechnology by type (i.e., nanosensors, nanodevices nanomaterials, nanotools, nanoclays, nanomagnetics, nanoceramic products), by end user (i.e., electronics and semiconductors, healthcare and pharmaceuticals, energy, military and defense, transportation, industrial, others). Nanotechnology deals with the nanoscale, so it doesn't typically involve the manipulation of larger structures or objects that are not within the nanometer size range. There is overlap between nanotechnology and biotechnology, but genetic engineering and biological studies that don't specifically involve nanoscale manipulation are generally separate fields.

The scope of the nanotechnology industry is continually expanding as new discoveries are made and as researchers and industries explore innovative ways to harness the unique properties of nanoscale materials and devices. This report, however, concentrates on nanotechnologies that are currently in commercial use or are likely to be commercialized by 2028. Other applications that, while promising, are not likely to make it out of the laboratory by 2028 are not covered in depth. Sales value estimates are based on prices in the supply chain. Market-driving forces and industry structure are examined. International aspects are analyzed for all global regions.

Report Includes:

64 data tables and 53 additional tables

An overview and analysis of the current and future global markets for nanotechnology

Analyses of the global market trends, with historical market revenue data (sales figures) for 2022, estimates for 2023, and projections of compound annual growth rates (CAGRs) through 2028

An estimate of the actual market size, a revenue forecast for the global nanotechnology market, and a market share analysis based on type, end-use industry and region

In-depth information (facts and figures) pertaining to the market drivers, opportunities, challenges and prospects; technologies; regulatory scenarios; and the market impacts of COVID-19 and the Russia-Ukraine war.

A holistic review of both Porter's Five Forces and PESTLE analysis, taking into account micro%li%and macro-environmental factors

A review of existing and new commercially deployed nanotechnology-based products and nanomaterials

Identification of the trends that will affect the use of nanotechnology and their major source markets

A discussion of ESG developments in the nanotechnology industry, with emphasis on the ESG practices of leading market participants

An analysis of the industry structure respect to company market shares, venture fundings, and recent mergers and acquisitions (M&A) activity

Analysis of the competitive landscape based on recent developments, key financials and segmental revenues, and operational integration of the major stakeholders

Company profiles of the leading market players, including 3M Co., Sanofi, Asahi Kasei, Thermo Fisher Scientific Inc., and Bruker Corp.

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ALTAIRNANO

ANSELL LTD.

ASAHI KASEI CORP.

ASPEN AEROGELS INC.

BRUKER CORP.

CNANO TECHNOLOGY CO. LTD. (JIANGSU CNANO)

ESPIN TECHNOLOGIES INC.

FORGE NANO

FORTIS LIFE SCIENCES

HYPERION CATALYSIS INTERNATIONAL INC.

IMINA TECHNOLOGIES SA

INTEGRAN TECHNOLOGIES

KLEINDIEK NANOTECHNIK GMBH

MACH I INC.

NANOCYL SA

NANO MAGIC LLC

NANONICS IMAGING LTD.

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NEI CORP.

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