

Global Nanomaterials Market Size study, by Product Type (Aluminum Oxide Nanoparticles, Antimony Tin Oxide Nanoparticles, Bismuth Oxide Nanoparticles, Carbon Nanotubes, Cerium Oxide Nanoparticles, Copper Oxide Nanoparticles, others), by Application (Aerospace, Automotive, Medical, Energy & power, Electronics, Paints & Coatings, Others), and Regional Forecasts 2021-2027

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Abstracts

Global Nanomaterials Market is valued approximately at USD 9.52 Billion in 2020 and is anticipated to grow with a healthy growth rate of more than 13.2% over the forecast period 2021-2027. Nanomaterials are the material with any external dimension that are manufactured and used at very small scale. The global Nanomaterial market is being driven by the increasing technological advancement in medical industry, growth in medical diagnostics industry, and increasing penetration of nanotechnology in various applications. Furthermore, the increasing focus on research concerning to nanomaterials and rising government spending on research and development of biotechnology and pharmaceuticals will provide new opportunities for the global Nanomaterial industry. For instance, Hebrew university in 2018 had introduced seed fund of USD 9 million which was launched for supporting research and development on smart materials and nanotechnologies as was conducted by various nanotech companies to focus on quantum science and renewable energy. In 2020, researchers from Korea University and Okinawa Institute of Science and Technology Graduate University developed "Spiral Hydroporator" which is a unique way for delivering particles and chemical compound into cells by membranes which include proteins, DNA, and drugs without causing any vital damage. As a result these new technological

advancement in medical industry will serve as a catalyst for the Nanomaterial industry in the future. However, toxicity assessment of nanomaterials for the commercialization of nanotechnology, may impede market growth over the forecast period of 2021-2027.

The regional analysis of the global Nanomaterials Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America, and Rest of the World. Because of fastest growth in semiconductors manufacturing industries with the rising product penetration demand, in terms of market share, Asia Pacific becomes the leading region across the world. Also Europe is anticipated to have the highest growth rate over the forecast period 2021-2027 due to rising investment in technological advancements in the region.

Major market player included in this report are:

Strem Chemicals, Inc.
American Elements
US Research Nanomaterials, Inc.
Nanocomposix, Inc.
Reade International Corporation
NanoMaterials Technology Pte Ltd.
Frontier Carbon Corporation
Nanoshel LLC
SkySpring Nanomaterials, Inc.
Nanografi Nano Technology

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Aluminum Oxide Nanoparticles
Antimony Tin Oxide Nanoparticles

Bismuth Oxide Nanoparticles
Carbon Nanotubes
Cerium Oxide Nanoparticles
Copper Oxide Nanoparticles
Others

By Application:

Aerospace
Automotive
Medical
Energy & power
Electronics
Paints & Coatings
Others

By Region:

North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific

China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Global Nanomaterials Market Size study, by Product Type (Aluminum Oxide Nanoparticles, Antimony Tin Oxide Nano...

Historical year – 2018, 2019

Base year – 2020

Forecast period – 2021 to 2027.

Target Audience of the Global Nanomaterials Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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