

Nanomaterials Market size is expected to witness significant growth by 2022 | Global Value \$55,016 million

Nanomaterials Market in the paints & coatings end use segment is expected to generate highest revenue throughout the forecast period.

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Some of the other major factors that drives the potential of [nanomaterials market](#) are extensive focus on research & development activities, new

applications (aerospace & defense, sporting goods, and others), government funding & support, collaboration among industry players to meet new challenges, and decrease in price of nanomaterials. However, factors that would hamper the market growth include concerns over environmental impact and toxicity of nanomaterials along with stringent environmental regulations.

The demand for nanomaterials has witnessed tremendous growth due to their properties such as light weight in nature, electrical, catalytic, magnetic, mechanical, thermal, and imaging features. Attributable to the above reasons, nanomaterials are applicable in various end-user industries such as in paints & coatings, electronics & consumer goods, and energy industries.

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Nanomaterials Market is expected to reach \$55,016 million by 2022. Paints & coatings end use segment is expected to generate highest revenue throughout the forecast period. North America led the global market in 2015 and is expected to maintain its lead throughout.

Eswara Prasad, Team Lead, Chemical Research at Allied Market Research states, "Metal & non-metal oxide-based nanomaterials are the most widely accepted in the industry and are expected to grow with a CAGR of 20.7% from 2016 to 2022." He further adds, "nanoclay and nanocellulose also exhibit growth potential owing to increase in the number of commercial applications for these materials." Most commonly consumed metal & non-metal oxide-based nanomaterials are

Nanomaterials Market

Opportunity and Industry Analysis, 2014-2022



Nanomaterials Industry

titanium dioxide and silicon dioxide. Consumption of silicon dioxide was 198 kilo tons in 2015 and is projected to reach 786 kilo ton by 2022, at a CAGR of 21.8%.

In the year 2015, paints & coatings was the largest end-user segment, which accounted for more than one-fifth share globally followed by electronics & consumer goods, energy, adhesives & sealants. Extraordinary physio-chemical properties of nanomaterials, such as mechanical properties, catalytic properties, magnetic properties, optical properties, and others has increased their penetration in a wide array of application as it results in improved performance of end products.

Major players in the industry invest significantly in research & development to launch new nanomaterials for commercial applications at low cost. The major companies profiled in the report include Ahlstrom, Air Products and Chemicals Inc., Arkema Group, CNano Technologies Ltd., Daiken Chemicals, DuPont, Fuso Chemical Co., Ltd., MKnano, Nanoco, Nanocyl S.A., NanoIntegris, Nanophase Technologies Inc., Nanosys Inc., Southern Clay Products, Inc., TDA Research, and Umicore NanoMaterials.

Key Findings of Nanomaterials Market

1. The market revenue of nanoclay is expected to witness a highest CAGR of 24.9%.
2. Paints & coatings and adhesives & sealants together accounted for more than one-third market share in 2015.
3. Personal care is projected to grow at a highest CAGR of 22% (in terms of revenue).
4. North America is projected to lead the market throughout 2022, growing at a CAGR of 20.5% (in terms of revenue).
5. U.S. led the global nanomaterials market in 2015, and is expected to maintain its dominance throughout the period under consideration.

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In the year 2015, North America and Asia-Pacific collectively accounted for three-fourths of the worldwide demand for nanomaterials and are expected to maintain this position throughout. However, the Asia-Pacific nanomaterials market revenues are projected to grow at a highest CAGR of 21.4%, followed by North America and Europe. Exceptional physio-chemical properties of nanomaterial drive its demand in various applications across North America and Asia-Pacific.

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