

Europe Nanomaterials Market by Type of Material (Carbon based, Metal & Non-metal Oxides, Metals, Dendrimers, Nanoclay, and Nanocellulose), by End User (Paints & Coatings, Adhesives & Sealants, Healthcare & Life Science, Energy, Electronics & Consumer Goods, Personal Care, and Others) - Opportunity Analysis and Industry Forecast, 2014 - 2022

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Abstracts

Nanomaterials possess nanoscale dimensions ranging from 1 to 100 nanometers. They occur naturally, or can be engineered with specific properties, such as size, shape, surface, and chemistry. Volcanic ash and forest fibers are some of the examples of natural nanomaterials, whereas carbon nanotubes, quantum dots, and others are engineered nanomaterials. They have better strength, resistivity, conductivity, and optical absorption compared to the atoms. Relative-surface area is one of the key factors that enhances the properties of nanomaterials. The demand for nanomaterials has increased across diverse industry applications owing to their exceptional physio-chemical properties, which enhances the performance of the end product. Europe nanomaterials market is expected to reach \$9,078 million by 2022, growing at a CAGR of 20.0% during 2016-2022, where the market was valued at \$2,536 million in 2015. Nanomaterials are used in environmental monitoring and remediation due to their novel chemical and physical attributes, to counteract environmental pollution. Heavy investment in R&D activities by government organizations is expected to propel the market growth. However, extended research timelines incur high cost to companies, which restricts the growth of the market.

The report segments the Europe nanomaterials market on the basis of material, end user, and country. On the basis of material, the market is segmented into carbon-based nanomaterials, metal and non-metal oxides, metals, dendrimers, nanoclay, and nanocellulose. Furthermore, carbon-based nanomaterials are segmented into carbon nanotubes, fullerenes & POSS, and graphene. The metal oxides segment is further divided into titanium dioxide, zinc dioxide, silicon dioxide, aluminum oxide, and others. The metals segment is further divided into silver, gold, nickel, and quantum dots. The nanomaterials market is also segment on the basis of end-user industries such as paints & coatings, adhesives & sealants, healthcare & life science, energy, electronics & consumer goods, personal care, and others. The report is further segmented on the basis of major countries in the European region, namely, UK, Germany, France, Spain, and Italy.

Comprehensive competitive analysis and profiles of major market players such as

Ahlstrom

Air Products and Chemicals Inc.

Arkema Group

CNano Technologies Ltd.

Daikin Chemicals

DuPont

Fuso Chemical Co. Ltd.

Nanoco

Nanocyl S.A.

NanoIntegris

Nanophase Technologies Inc.

Nanosys Inc.

TDA Research

Umicore Nanomaterials

KEY MARKET BENEFITS:

This report provides an extensive analysis of the current trends and emerging dynamics of the Europe nanomaterials market.

An in-depth analysis of the market has been done in this report based on market estimations of the key market segments for the period of 2014–2022.

The market is analyzed based on major countries in the European region, namely, UK, Germany, France, Spain, and Italy.

This report provides a detailed quantitative analysis of the current market trends and estimations for 2014-2022, to identify the prevailing market opportunities.

A comprehensive analysis of the factors that drive and restrict the growth of the Europe nanomaterials market is provided in the report.

The projections in this report are made by analyzing the current trends and future market potential from 2014 to 2022, in terms of revenue and volume.

An exhaustive analysis of the Europe nanomaterials market by type helps to understand the trending products available for commercial usage.

The competitive intelligence of leading manufacturers of nanomaterials helps to understand the competitive scenario among industry participants across various geographies.

KEY MARKET SEGMENT:

The Europe Nanomaterials Market is segmented as below:

By Type of Material

Carbon-based Nanomaterials

Carbon Nanotubes

Fullerenes & POSS

Graphene

Metal Oxides

Titanium Dioxide

Zinc Oxide

Silicon Dioxide

Aluminium Oxide

Cerium Oxide

Antimony Tin Oxide

Copper Oxide

Bismuth Oxide

Cobalt Oxide

Iron Oxide

Magnesium Oxide

Manganese Oxide

Zirconium Oxide

Metals

Silver

Gold

Nickel

Quantum Dots

Dendrimers

Nanoclay

Nanocellulose

By End-User Industries

Paints & Coatings

Adhesives & Sealants

Health Care & Life Science

Energy

Electronics & Consumer Goods

Personal Care

Others (including food & beverages, textiles, etc.)

By Country

UK

Germany

France

Italy

Spain

Rest of Europe

Key Players

Ahlstrom

Air Products and Chemicals Inc.

Arkema Group

CNano Technologies Ltd.

Daikin Chemicals

DuPont

Fuso Chemical Co. Ltd.

Nanoco

Nanocyl S.A.

NanoIntegris

Nanophase Technologies Inc.

Nanosys Inc.

TDA Research

Umicore Nanomaterials

Other major players in the industry are

Sigma Aldrich

Bayer AG

3M

Wacker Chemie AG

Momentive Performance Materials Inc.

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Sigma Aldrich

Bayer AG

3M

Wacker Chemie AG

Momentive Performance Materials Inc.

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