

# **The Global Market for Nanomaterials 2002-2016: Production Volumes, Revenues and End User Market Demand**

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## **Abstracts**

### **Report summary**

Zinc oxide nanopowders find application across a raft of industries where they are used for their anti-bacterial, anti-fungal, anti-corrosion, catalytic, and UV filtering properties. The main application of Nano ZnO at present is as UV-resistant additive in sunscreens. Other applications of Nano ZnO include anti-microbials, conductive thin-films in blue laser diodes, solar cells, and LCDs, protective coatings, capacitors, varistors, photoprinting and electrophotography.

Nanomaterials are being applied across a raft of industries and technologies due to their outstanding magnetic, optical, catalytic and electronic properties, which depend greatly on their size, structure, and shape. The Global Market for Nanomaterials 2002-2016 is the most comprehensive study ever conducted on the nanomaterials market, which will greatly impact all industries in the coming years.

Future Markets conservatively estimates the 2011 worldwide production of nanomaterials to be more than 270,000 tons, a tenfold increase from 2002. Optimistic market estimates are also covered in the report.

The production volume in 2016 is conservatively estimated to reach more than 350,000 tons, driven by demand from applications in electronics, energy, medicine, chemicals, coatings and catalysts.

The market is forecasted from 2002 through to 2016. End user markets are also outlined. The report covers metal oxide nanopowders; carbon nanotubes; fullerenes and

POSS; graphene; nanocellulose; nanoclays; nanofibers; nanosilver; and quantum dots.

### **What does the report include?**

Comprehensive quantitative data and forecasts for the global nanomaterials markets from 2002 to 2016

Market growth forecasts

Regulatory guidelines for nanomaterials

Qualitative insight and perspective on the current market and future trends in end user markets based on interviews with key executives

End user market analysis

Over 150 tables and figures illustrating market size by volume, revenues and by end user demand

Over 400 full company profiles of nanomaterials producers including technology descriptions, revenues, contact details, and end user markets for their products

### **Who should buy this report?**

Advanced materials producers, application developers; sales and marketing departments

Corporate strategists and policy advisors

Technology consultants and analysts, venture capitalists, and readers interested in the advanced materials market

New technology teams and application developers in the aerospace and aviation; automotive; consumer goods; electronics and semiconductors; energy; environment and water; materials; medical and bio; military and defense; and packaging and plastics markets.



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