

# Nanopowder Trends: Market Research Report

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## Abstracts

The report analyzes and presents an overview of Nanopowders market worldwide. 'Nanopowder refers to a finely powdered substance made of various materials such as metals and their alloys on nanoscale. Though nanotechnology is considered to be a novel invention, archaeological studies indicate that humans have been producing as well as using nanoscale products since ancient times. Measured in nanometers, nanopowders are produced by heat treatment and grinding of substances. Nanoscale production requires significantly high precision for controlling conditions, which yields powders in accurate composition and size.'

Supported with 5 market data tables, the report provides a review of market trends, growth drivers, and strategic industry activities of major companies worldwide. The report further discusses about various types of Nanopowders including Metal Oxide Nanopowders, Pure Metal Nanopowders, and Compounds and Compound Oxide Nanopowders. In addition, 46 companies operating in the Nanopowders arena worldwide including Advanced Fibers & Powders LLC, Advanced Nano Products Co. Ltd., Alpha Nanomaterials LLC, Antaria Ltd., Canano Technologies, EPRUI Nanoparticles & Microspheres Co. Ltd., Kanematsu USA Inc., NanoMech Inc., Nanophase Technologies Corporation, Nanosol, Rajpurohit Group of Enterprises, Tekna Advanced Materials Inc., and others are profiled.

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**Table 1.** Global Metal Oxide Nanopowder Revenue (2012-2017) in US\$ Million

**Table 2.** Global Metal Oxide Nanopowder Production (2012-2017) in Tons

Aluminum Oxide (Alumina, Al<sub>2</sub>O<sub>3</sub>)  
Dysprosium Oxide (Dy<sub>2</sub>O<sub>3</sub>)  
Europium Oxide (Eu<sub>2</sub>O<sub>3</sub>)  
Magnetic Nanopowders  
Magnesium Nanoparticles  
Neodymium Oxide (Nd<sub>2</sub>O<sub>3</sub>)  
Silicon Dioxide (Silica, SiO<sub>2</sub>)  
Titanium Dioxide (Titania, TiO<sub>2</sub>)

**Table 3.** Global Nanoparticle Titanium Dioxide Production (2012-2017) in Tons

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Zinc Oxide (ZnO)

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Pure Metal Nanopowders  
Gold Metal (Au)  
Platinum Metal (Pt)  
Silicon (Si)

Silver Metal (Ag)  
Compounds and Compound Oxide Nanopowders  
Antimony-Tin Oxide (Sb<sub>2</sub>O<sub>3</sub>/SnO<sub>2</sub>)  
Barium Titanate (BaTiO<sub>3</sub>)  
Indium-Tin Oxide (In<sub>2</sub>O<sub>3</sub>/SnO<sub>2</sub>)  
Nanodiamond  
Silicon Carbide Nanopowders  
Silicon Nitride (Si<sub>3</sub>N<sub>4</sub>)  
Tungsten-Cobalt Carbide (WC/Co)  
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Scientific Research and Analysis  
Consumer Electronics  
Industrial Electronic Equipment  
Microelectronics  
Medical Applications  
Cosmetics and Toiletries  
Others  
Technological Innovations  
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NanoMech Acquires Canadian Nano Technologies

## **4. MARKET PARTICIPANTS**

Advanced Fibers & Powders LLC (USA)  
Advanced Nano Products Co. , Ltd. (Korea)  
Advanced Powder Technologies LLC (The Russian Federation)  
Alpha Nanomaterials LLC (USA)

AM&M Advanced Machine and Materials, Inc. (Canada)  
American Elements (USA)  
Antaria Ltd. (Australia)  
Beijing DK Nano Technology Co. , Ltd. (China)  
Beta Industrial Ltd. (Israel)  
Canano Technologies (Canada)  
Ceramics 3D (Spain)  
CVMR Corporation (Canada)  
EPRUI Nanoparticles & Microspheres Co. , Ltd. (China)  
Foyol Co. Ltd. (China)  
Hosokawa Micron Ltd. (UK)  
Hybrid Plastics, Inc. (USA)  
Inframat Corporation (USA)  
Institute Of Energy Science and Technology (IEST) Co. , Ltd. (Japan)  
Kanematsu USA, Inc. (USA)  
Keeling & Walker Ltd. (UK)  
MBN Nanomaterialia SpA (Italy)  
Metal Nanopowders Ltd. (UK)  
NaBond Technologies Co. , Ltd. (China)  
NanoAmor Europe (France)  
Nanocerox, Inc. (USA)  
Nanoe (France)  
Nanomaterials Company (USA)  
NanoMech, Inc. (USA)  
Nanophase Technologies Corporation (USA)  
Nanopowder Technology Ltd. (The Russian Federation)  
Nanosol (Israel)  
Nanostructured & Amorphous Materials, Inc. (USA)  
nGimat Company (USA)  
NovaCentrix (USA)  
Novosibirsk Nanomaterials (Russia)  
Omega Life Science Ltd. (Israel)  
Plasma & Ceramic Technologies Ltd. (Latvia)  
Powdermet, Inc. (USA)  
QuantumSphere, Inc. (USA)  
Rajpurohit Group of Enterprises (India)  
Reinste Nano Ventures Pvt. , Ltd. (India)  
Sigma Aldrich Co. , LLC (USA)  
SkySpring Nanomaterials, Inc. (USA)

Specialty Materials, Inc. (USA)  
Tekna Advanced Materials, Inc. (Canada)  
Texas Biochemicals, Inc. (USA)

## **5. APPENDIX**

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