

# Nanotechnology Market Outlook 2020

<https://marketpublishers.com/r/N95DF22911AEN.html>

Date: March 2015

Pages: 160

Price: US\$ 1,600.00 (Single User License)

ID: N95DF22911AEN

## Abstracts

Nanotechnology is a growing interdisciplinary technology that is often seen as a new industrial revolution. Nanotechnology is increasingly attracting worldwide attention owing to its wide range of end-uses. As nanotechnology is evolving, so is the scope for its commercial expansion. The wide range of potential products and applications gives nanotechnology its enormous growth prospects. It has been forecasted that the global nanotechnology industry will grow to reach US\$ 75.8 Billion by 2020. In such a scenario, huge opportunity lies for industry participants to tap the fast growing market.

In the latest research study, "Nanotechnology Market Outlook 2020", RNCOS' analysts have identified and deciphered the market dynamics in important segments to clearly highlight the areas offering promising possibilities for companies to boost their growth. In 2014, the global nanotechnology market has shown tremendous growth backed by certain key prominent factors. At present, cancer is one of the largest therapeutic areas in which nano-enabled products have made major contributions.

In this report, the analysts have covered analysis of current nanotechnology market (by application, by component and by region), with future projections till 2020. The report covers an in-depth analysis of all the major segments, with key developments taking place at global level, such as in application section, use of nanotechnology in electronics, energy, cosmetics, medical, defence and food & agriculture sector. Further, in terms of component, the nanotechnology market can be segregated into nanomaterials, nanotools, and nanodevices. The report covers the current nanotechnology market and forecast for each of the above-mentioned segments till 2020.

Further, the report discusses nanotechnology scenario in 13 major countries like the US, Canada, UK, Italy, Germany, and Russia, among others. Additionally, the report even covers country-level analysis of R&D, funding and patents to provide in-depth

understanding about investment related to nanotechnology.

Besides this, it also covers the nanotechnology patent analysis, including number of patent publications and global top assignees of nanotechnology patent literature. With a view to provide a balanced outlook of the global nanotechnology market to clients, the report also covers the profiles of key players like Altair, Nanophase Tech, Nanosys, etc., among others, who are present in the global nanotechnology market. Overall, the comprehensive research will provide an unbiased picture of the global nanotechnology industry to help clients understand the market dynamics and make sound investment decisions accordingly.

## Contents

### 1. ANALYST VIEW

### 2. RESEARCH METHODOLOGY

### 3. NANOTECHNOLOGY - AN INTRODUCTION

### 4. KEY MARKET TRENDS AND DEVELOPMENTS

4.1 Emerging Medical Device Market to Impel Nanotechnology Growth

4.2 Nanotechnology in Electronic Devices Experiencing Advancement

4.3 Amendments in Countries for Nanotechnology Assures Progress

4.4 Nanotechnology to Conquer Cancer Showing Promising Future

### 5. NANOTECHNOLOGY MARKET OVERVIEW

### 6. INDUSTRY PERFORMANCE: CURRENT AND FUTURE OUTLOOK

#### 6.1 By Components

6.1.1 Nanomaterials

6.1.2 Nanotools

6.1.3 Nanodevices

#### 6.2 By Major Applications

6.2.1 Electronics

6.2.1.1 Nanocircuits

6.2.1.2 Nanowires

6.2.1.3 NanoSensors

6.2.2 Energy

6.2.2.1 Energy Source

6.2.2.2 Energy Conversion

6.2.2.3 Energy Storage

6.2.2.4 Energy Distribution

6.2.3 Cosmetics

6.2.3.1 Skin Care

6.2.3.2 Hair Care

6.2.4 Biomedical

6.2.4.1 Drug Delivery

6.2.4.2 Therapeutics

- 6.2.4.3 Medical Materials and Implants
- 6.2.4.4 Analytical Tools and Instruments
- 6.2.4.5 Diagnostics
- 6.2.5 Defense
  - 6.2.5.1 Military Vehicles
  - 6.2.5.2 Military Clothes
  - 6.2.5.3 Aeronautics
  - 6.2.5.4 Satellites
- 6.2.6 Food and Agriculture
  - 6.2.6.1 Agriculture & Food Processing
  - 6.2.6.2 Food Packaging
  - 6.2.6.3 Food Supplements

## **7. COUNTRY-LEVEL ANALYSIS**

### 7.1 US

- 7.1.1 Funding
- 7.1.2 Research & Developments
- 7.1.3 Regulations

### 7.2 Brazil

- 7.2.1 Funding
- 7.2.2 Research & Developments
- 7.2.3 Regulation

### 7.3 Germany

- 7.3.1 Funding
- 7.3.2 Research & Development
- 7.3.3 Regulations

### 7.4 France

- 7.4.1 Funding
- 7.4.2 Research & Development
- 7.4.3 Regulations

### 7.5 UK

- 7.5.1 Funding
- 7.5.2 Research & Development
- 7.5.3 Regulation

### 7.6 Ireland

- 7.6.1 Funding
- 7.6.2 Research & Developments

### 7.7 Russia

- 7.7.1 Funding
- 7.7.2 Research & Developments
- 7.7.3 Regulation
- 7.8 Japan
  - 7.8.1 Funding
  - 7.8.2 Research & Developments
  - 7.8.3 Regulations
- 7.9 South Korea
  - 7.9.1 Funding
  - 7.9.2 Research & Development
  - 7.9.3 Regulations
- 7.10 Taiwan
  - 7.10.1 Funding
  - 7.10.2 Research & Development
  - 7.10.3 Regulations
- 7.11 China
  - 7.11.1 Funding
  - 7.11.2 Research & Development
  - 7.11.3 Regulations
- 7.12 India
  - 7.12.1 Funding
  - 7.12.2 Research & Developments
  - 7.12.3 Regulations
- 7.13 Australia
  - 7.13.1 Funding
  - 7.13.2 Research & Development
  - 7.13.3 Regulations

## **8. PATENTS ANALYSIS**

## **9. COMPETITIVE LANDSCAPE**

- 9.1 Altair Nanotechnologies Inc.
- 9.2 Nanophase Technologies Corporation
- 9.3 Nanosys, Inc.
- 9.4 Unidym, Inc.
- 9.5 Ablynx
- 9.6 NanoScale Corporation
- 9.7 Zyvex Corporation

9.8 Acusphere, Inc.

9.9 SouthWest NanoTechnologies, Inc.

9.10 PEN, Inc

## List Of Figures

### LIST OF FIGURES:

- Figure 5-1: Global - Nanotechnology Market (Billion US\$), 2013-2020
- Figure 5-2: Global - Nanotechnology Market by Component (%), 2014
- Figure 5-3: Global - Forecast for Nanotechnology Market by Component (%), 2020
- Figure 5-4: Global - Nanotechnology Market by Region (%), 2014
- Figure 5-5: Global - Forecast for Nanotechnology Market by Region (%), 2020
- Figure 6-1: Global - Nanomaterial Market (Billion US\$), 2013-2020
- Figure 6-2: Global - Nanotools Market (Billion US\$), 2013-2020
- Figure 6-3: Global - Nanodevices Market (Billion US\$), 2013-2020
- Figure 6-4: Global - Nanoparticles Market in Electronic Applications (Billion US\$), 2013-2020
- Figure 6-5: Global - Nanoparticles Market in Energy Applications (Billion US\$), 2013-2020
- Figure 6-6: Global - Nanotechnology in Cosmetics Products by Region (%)
- Figure 6-7: Global - Nanoparticles Market in Cosmetic Applications (Million US\$), 2013-2020
- Figure 6-8: Global - Top Ten Claims in New Nano-cosmetics Products in Total Nano Launches (%)
- Figure 6-9: Global - Nanoparticles Market in Drug Delivery Systems (Billion US\$), 2013-2020
- Figure 7-1: US - Government Funding in Nanotechnology (Billion US\$), FY 2010- FY 2016
- Figure 7-2: US - Forecast for Federal Funding by PCA (%), FY 2016
- Figure 7-3: Brazil - Nanotechnology Research Group by Areas
- Figure 7-4: Germany - Share of Active Participants in Nanotechnology (2015)
- Figure 7-5: Russia - Nano-enabled Products Market (Billion US\$), 2009-2015
- Figure 7-6: Russia - Nano-enabled Products Export (Billion US\$), 2009-2015
- Figure 7-7: Russia - Number of Nanotechnology Patents & Published Patent Applications (2014)
- Figure 7-8: Russia - Forecast for Share in Global Nano-industry Products Market (2015)
- Figure 7-9: Japan - Government Funded Projects (2001 to 2014)
- Figure 7-10: South Korea - Distribution of Nano Research Centers (2013)
- Figure 7-11: Taiwan - Allocation of Funds in NPNT, Phase II (%), 2009 to 2014
- Figure 7-12: Taiwan - Nanotechnology Industry Output (Billion TWD), 2011 & 2012
- Figure 7-13: China - Nanotechnology Market (Billion CNY), 2008 & 2013

## List Of Tables

### LIST OF TABLES:

Table 7-1: US - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-2: US - Nanotechnology Funding by Program Component Area (Million US\$), FY 2014-FY 2016

Table 7-3: US - List of Agencies Participating in NNI (2016)

Table 7-4: Brazil - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-5: Germany - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-6: France - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-7: UK - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-8: UK - Nanotechnology Companies in Healthcare Sector

Table 7-9: Ireland - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-10: Ireland - Proposed Focus Area for Nanotechnology Research

Table 7-11: Russia - RUSNANO's Funding in Nanotechnology by Key Companies (Million US\$), 2009-2020

Table 7-12: Japan - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-13: Japan - Nanotechnology Market by Application (Billion JPY), 2005, 2010, 2020 & 2030

Table 7-14: South Korea - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-15: South Korea - Nanotechnology Dedicated Budget (Billion KRW), 2010-2013

Table 7-16: Taiwan - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-17: China - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-18: China - Top 10 Companies in Nanotechnology

Table 7-19: India - Number of Nanotechnology Patents & Published Patent Applications (2014)

Table 7-20: India - Nanotechnology Companies by Type of Production/Service

Table 7-21: Australia - Number of Nanotechnology Patents & Published Patent



Applications (2014)

Table 8-1: Global - Top Countries in Nanotechnology Patents in USPTO (2014)

Table 8-2: Global - Top Countries in Nanotechnology Published Patent Applications in USPTO (2014)

Table 8-3: Global - Top 15 Assignees in Nanotechnology Patent Literature, (2013)

Table 9-1: Altair Nanotechnologies - Financial Overview (Million US\$), 2011-2013

Table 9-2: Nanophase Technologies Corporation - Financial Overview (Million US\$), 2012-2014

Table 9-3: Ablynx - Financial Overview (Million EUR), 2011-2013

Table 9-4: PEN Inc - Financial Overview (Million US\$), 2011-2013

## I would like to order

Product name: Nanotechnology Market Outlook 2020

Product link: <https://marketpublishers.com/r/N95DF22911AEN.html>

Price: US\$ 1,600.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N95DF22911AEN.html>