

# Global Quantum Dots Market - Forecasts From 2018 to 2023

<https://marketpublishers.com/r/GB4296EAD6CEN.html>

Date: October 2018

Pages: 108

Price: US\$ 3,950.00 (Single User License)

ID: GB4296EAD6CEN

## Abstracts

The global quantum dots market is projected to grow at a CAGR of 30.93% to reach US\$7.647 billion by 2023, from US\$1.1518 billion in 2017. Quantum dots are nanoparticles which are used for multiple applications including lighting, lasers, and solar cells among many others. Increasing adoption of quantum dots in consumer electronics coupled with high demand for energy-efficient solutions are the major factors driving the demand for quantum dots in the coming years. However, the limited availability of raw materials will restrict the growing demand for quantum dots over the forecast period.

This research study examines the current market trends related to the demand, supply, and sales, in addition to the recent developments. Major drivers, restraints, and opportunities have been covered to provide an exhaustive picture of the market. The analysis presents in-depth information regarding the development, trends, and industry policies and regulations implemented in each of the geographical regions. Further, the overall regulatory framework of the market has been exhaustively covered to offer stakeholders a better understanding of the key factors affecting the overall market environment.

Identification of key industry players in the industry and their revenue contribution to the overall business or relevant segment aligned to the study have been covered as a part of competitive intelligence done through extensive secondary research. Various studies and data published by industry associations, analyst reports, investor presentations, press releases and journals among others have been taken into consideration while conducting the secondary research. Both bottom-up and top down approaches have been utilized to determine the market size of the overall market and key segments. The values obtained are correlated with the primary inputs of the key stakeholders in the

global quantum dots value chain. The last step involves complete market engineering which includes analyzing the data from different sources and existing proprietary datasets while using various data triangulation methods for market breakdown and forecasting.

Market intelligence is presented in the form of analysis, charts, and graphics to help the clients in gaining faster and efficient understanding of the global quantum dots market.

Major industry players profiled as part of the report are Nanosys, Inc., Quantum Materials Corporation, Samsung, QD Laser, NN- Labs, Inc., Crystalplex Corporation, Nanoco Group plc, and Ocean Nanotech among others.

## Segmentation

The global quantum dots market has been analyzed through the following segments:

### By Product Type

- QD Solar Cells
- QD Display
- QD Medical Devices
- QD Lasers
- Others

### By Material

- Cadmium Based Quantum Dot
- Silicon
- Graphene
- Lead Sulfide

### By End-User Industry

- Telecommunication
- Healthcare
- Military and Defense
- Consumer Electronics
- Others

### By Geography

- North America
- USA
- Canada
- Mexico
- Others
- South America

Brazil  
Argentina  
Others  
Europe  
Germany  
France  
United Kingdom  
Spain  
Others  
Middle East and Africa  
Saudi Arabia  
Israel  
Others  
Asia Pacific  
China  
Japan  
South Korea  
India  
Others

## Contents

### **1. INTRODUCTION**

- 1.1. Market Overview
- 1.2. Market Definition
- 1.3. Scope of the Study
- 1.4. Currency
- 1.5. Assumptions
- 1.6. Base, and Forecast Years Timeline

### **2. RESEARCH METHODOLOGY**

- 2.1. Research Design
- 2.2. Secondary Sources

### **3. EXECUTIVE SUMMARY**

### **4. MARKET DYNAMICS**

- 4.1. Market Segmentation
- 4.2. Market Drivers
- 4.3. Market Restraints
- 4.4. Market Opportunities
- 4.5. Porter's Five Force Analysis
  - 4.5.1. Bargaining Power of Suppliers
  - 4.5.2. Bargaining Power of Buyers
  - 4.5.3. Threat of New Entrants
  - 4.5.4. Threat of Substitutes
  - 4.5.5. Competitive Rivalry in the Industry
- 4.6. Life Cycle Analysis - Regional Snapshot
- 4.7. Market Attractiveness

### **5. GLOBAL QUANTUM DOTS MARKET BY PRODUCT TYPE**

- 5.1. QD Solar Cells
- 5.2. QD Display
- 5.3. QD Medical Devices
- 5.4. QD Lasers

5.5. Others

## **6. GLOBAL QUANTUM DOTS MARKET BY MATERIAL**

6.1. Cadmium- Based Quantum Dot

6.2. Silicon

6.3. Graphene

6.4. Lead Sulfide

## **7. GLOBAL QUANTUM DOTS MARKET BY END-USER INDUSTRY**

7.1. Telecommunication

7.2. Healthcare

7.3. Military and Defense

7.4. Consumer Electronics

7.5. Others

## **8. GLOBAL QUANTUM DOTS MARKET BY GEOGRAPHY**

8.1. North America

8.1.1. USA

8.1.2. Canada

8.1.3. Mexico

8.1.4. Others

8.2. South America

8.2.1. Brazil

8.2.2. Argentina

8.2.3. Others

8.3. Europe

8.3.1. Germany

8.3.2. France

8.3.3. United Kingdom

8.3.4. Spain

8.3.5. Others

8.4. Middle East and Africa

8.4.1. Saudi Arabia

8.4.2. Israel

8.4.3. Others

8.5. Asia Pacific

- 8.5.1. China
- 8.5.2. Japan
- 8.5.3. South Korea
- 8.5.4. India
- 8.5.5. Others

## **9. COMPETITIVE INTELLIGENCE**

- 9.1. Market Share Analysis
- 9.2. Recent Investment and Deals
- 9.3. Strategies of Key Players

## **10. COMPANY PROFILES**

- 10.1. Nanosys, Inc.
  - 10.1.1. Company Overview
  - 10.1.2. Financials
  - 10.1.3. Products and Services
  - 10.1.4. Recent Developments
- 10.2. Quantum Materials Corporation
  - 10.2.1. Company Overview
  - 10.2.2. Financials
  - 10.2.3. Products and Services
  - 10.2.4. Recent Developments
- 10.3. Samsung
  - 10.3.1. Company Overview
  - 10.3.2. Financials
  - 10.3.3. Products and Services
  - 10.3.4. Recent Developments
- 10.4. QD Laser
  - 10.4.1. Company Overview
  - 10.4.2. Financials
  - 10.4.3. Products and Services
  - 10.4.4. Recent Developments
- 10.5. NN- Labs, Inc.
  - 10.5.1. Company Overview
  - 10.5.2. Financials
  - 10.5.3. Products and Services
  - 10.5.4. Recent Developments

- 10.6. Crystalplex Corporation
  - 10.6.1. Company Overview
  - 10.6.2. Financials
  - 10.6.3. Products and Services
  - 10.6.4. Recent Developments
- 10.7. Nanoco Group plc
  - 10.7.1. Company Overview
  - 10.7.2. Financials
  - 10.7.3. Products and Services
  - 10.7.4. Recent Developments
- 10.8. Ocean Nanotech
  - 10.8.1. Company Overview
  - 10.8.2. Financials
  - 10.8.3. Products and Services
  - 10.8.4. Recent Developments
- 10.9. Pacific Light Technologies
  - 10.9.1. Company Overview
  - 10.9.2. Financials
  - 10.9.3. Products and Services
  - 10.9.4. Recent Developments
- 10.10. NanoPhotonica
  - 10.10.1. Company Overview
  - 10.10.2. Financials
  - 10.10.3. Products and Services
  - 10.10.4. Recent Developments

LIST OF FIGURES

LIST OF TABLES

DISCLAIMER

## I would like to order

Product name: Global Quantum Dots Market - Forecasts From 2018 to 2023

Product link: <https://marketpublishers.com/r/GB4296EAD6CEN.html>

Price: US\$ 3,950.00 (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/GB4296EAD6CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970