

Quantum Dots Market Opportunities by Key Players, Regional Segmentation and Forecasts, 2018 – 2023

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New Study on “2018-2023 Quantum Dots Market Global Key Player, Demand, Growth, Opportunities and Analysis Forecast” added to Wise Guy Reports Database

Global Quantum Dots Market elucidate technological aspects to save energy and make processes efficient. Energy crisis is one of the major problem that world is facing throughout. Rapid development of technology in last few decades has contributed a lot in paving way for nanoparticle technologies. Quantum dots are semiconductor Nano particles that is used intensively in displays these days. Companies such as Nanosys, Inc. and Samsung has already launched QD enhanced LCDs which gives more vibrant color with less consumption of power, these displays are giving tough competition to OLEDs. Its applicability in solar cell manufacturing, demand for QHD displays, rising demand for LED lights and advancement of technology are the drivers that boosts the growth of this market. However, due to expensive technology, products being manufactured using this technology is not cost effective which is one of the restraining factor. Slow adoption because of less awareness is another restraining factor. Opportunities for application in biomedical field, quantum computing will drive the market in future.

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Geographically market is divided into North America, Asia Pacific, Europe and Rest of the world. North America leads the market because of early adoption of the quantum dots technology. Europe market holds the second largest market share. Due to demand from various sector such as smartphone, smart TV and other consumer goods the APAC market is growing rapidly. Japan, China, Taiwan, Korea and India are leading contributors to the market in the APAC region. China is the global manufacturing hub for display and other electronic goods therefore, a strong demand is expected from the country during the forecasted period.

The advent of this technology has made electronics sector look at prevailing concepts in more vivid way. Large number of companies are already into this segment. Companies such as Nanosys Inc., LG electronics, Samsung and Sony Corp. are the market leader in display technology. QD Laser Inc. has the market dominance in quantum dot Laser devices. Crystaplex is one of the prominent player in medical devices such as infection control devices, medical polymers and various other devices. Quantum Material Corp., Nanoco group plc works in various verticals of this technology ranging from solar cells to QD displays and captures a large market share. Beside the above discussed companies there are many more players in this segment. The report includes detailed analysis of companies, market overview, analyst insights and market segmentation.

Research Methodology

The market study of Global Quantum Dots market is incorporated by extensive primary and

secondary research conducted by research team at OMR. Secondary research has been conducted to refine the available data to breakdown the market in various segments, derive total market size, market forecast and growth rate. Different approaches have been worked on to derive the market value and market growth rate. Our team collects facts and data related to the market from different geography to provide a better regional outlook. In the report country level analysis is provided by analyzing various regional players, regional tax laws and policies, consumer behavior and macro-economic factors. Numbers extracted from Secondary research have been authenticated by conducting proper primary research. It includes tracking down key people from the industry and interviewing them to validate the data. This enables our analyst to derive the closest possible figures without any major deviations in the actual number. Our analysts try to contact as many executives, managers, key opinion leaders and industry experts. Primary research brings the authenticity in our reports.

Secondary sources include:

- Financial reports of companies involved in the market
- Whitepapers, research-papers and news blogs
- Company websites and their product catalogue.
- Supplier Websites such as Alibaba, amazon for pricing analysis.

The Report is intended for Researchers and manufactures in the field, Emerging companies in the market, Investing companies, Government Organizations for overall market analysis and competitive analysis. The report provides in-depth analysis on market size, growth opportunity in market, product types. The report will serve as a source for 360-degree analysis of the market thoroughly integrating different models such as PEST analysis, Porter five analysis delivering insights into the market for better business decisions.

Market Segmentation:

Global Quantum dots market is segmented on the basis of regional outlook and following segments:

1. Global Quantum Dots Market Research and Analysis, By Type of devices
2. Global Quantum Dots Market Research and Analysis, By Type of material used
3. Global Quantum Dots Market Research and Analysis, By Application

THE REPORT COVERS:

- Comprehensive research methodology of Quantum Dots Market
- This report also includes detailed and extensive market overview with key analyst insights.
- Exhaustive analysis of macro and micro factors influencing the market guided by key recommendations.
- Analysis of regional regulations and other government policies impacting the Quantum Dots Market
- Insights about market determinants which are stimulating the Quantum Dots Market
- Detailed and extensive market segments with regional distribution of forecasted revenues.
- Extensive profiles and recent developments of market players.

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3. MARKET DETERMINANT

3.1. MOTIVATORS

3.1.1. RISE IN USAGE OF SOLAR POWER IN WHICH QD IS USED

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3.2.2. LESS AWARENESS ABOUT BENEFITS OF SUCH TECHNOLOGY LEADING TO SLOW ADOPTION

3.3. OPPORTUNITY

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