

Market Analysis



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2020 Market Analysis of Quantum Mechanics and Nuclear Physics Conference

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Conference Series LLC Ltd_invites all the participants from all over the world to attend the prestigious scientific International Conference on "Quantum Mechanics and Nuclear Physics" which is to be held during August 24-25, 2020 Vancouver, Canada. It is among the World's leading Scientific Conference which hosts scientific sessions and sub-sessions on cutting edge research and latest innovations in the field of Quantum Physics and Quantum technology across the globe. The attendees can find some exclusive sessions and panel discussions on latest originations in Physics.

Quantum Dots market to grow from USD 2.6 billion in 2018 to USD 8.5 billion by 2023, at a Compound Annual Growth Rate (CAGR) of 27.0% during the forecast period. The major factors that are expected to be driving the market are the increasing demand for quantum dots in high-quality display devices, growing implementation of quantum dots in numerous applications due to their miniature property, and rising adoption of energy-efficient and less or non-toxic quantum dots in solar cells and photovoltaics. The objective of the report is to define, describe, and forecast the quantum dot market size based on product, material, vertical and region.

Attractive Opportunities in the Quantum Dots Market





"Quantum dot displays to dominate the quantum dots market during forecast period"

A QD display device (QDD) is a type of display technology used in flat-panel displays as an electronic visual display. QD nanocrystals are a part of the light emitting technology and consist of nano-scale crystals that are used in display technologies. QDs can be incorporated into a new-generation applications such as flat-panel TV screens, digital cameras, smartphones, gaming consoles, and personal digital assistant (PDA) devices. The increasing demand for displays with higher efficiency and enhanced color quality has exhibited the growth of QD displays.

"Consumer vertical to hold largest size of quantum dots market during forecast period"

Of all the verticals, the consumer vertical is expected to hold the largest market size during the forecast period. The increasing demand for superior display technologies and energy-efficient solutions is likely to drive the quantum dot display market growth. In addition, the unique characteristics of quantum dots such as high brightness, pure color, and wavelength tenability enable display designers to customize a spectrum of light to maximize both the efficiency

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and color performance of any display for incredible new user experience.



"APAC to hold largest market share and witness highest growth"

APAC is expected to hold the largest share of the quantum dots market between 2018 and 2023. Chinese, Japanese, and South Korean panel makers are investing more in producing more energy-efficient displays, which, in turn, also drives the market in Asia Pacific. In addition, the use quantum dots in developing innovative products at affordable prices would create growth opportunities for the players in the market in this region.