

Expansion of facilities for phosphorus raw materials for quantum dots (Completion of expansion)

Nippon Chemical Industrial Co., Ltd., has completed expansion of facilities of phosphorus raw materials for quantum dots (QDs) at the Fukushima No. 2 Factory (Tamura-gun, Fukushima).

◆ Background of expansion of facilities for phosphorus raw materials for QDs

Toward “promotion of growth strategy and realization of outcome,” which is the policy of the Medium-Term Business Plan, we are currently working on expanding growth fields, promoting globalization, and reinforcing business foundation. Along with them, to strengthen the stable supply of phosphorus raw materials to the QD market, where demand is expected to grow, we decided to expand facilities for the phosphine derivatives at the Fukushima No.2 Factory and proceeded with construction.

QDs refer to semiconductor particles at around 10 nm in diameter, and their applications are expanding to next-generation displays for QDs can achieve high-brightness and high-precision colors. As the display market using QDs is rapidly expanding, the demand for QDs is expected to increase further in the future.

We have utilized our technology for synthesizing phosphine derivatives for over 30 years to quickly provide the market with the most suitable phosphorus raw materials for QDs. We will continue to contribute to the development of the QD display industry through the stable supply of phosphorus raw materials for QDs and promote the development of environmentally friendly markets to realize a sustainable society.

◆ Overview of the expansion

- (1) Factory location: Tamura Gun, Fukushima
(Fukushima No.2 Factory, Nippon Chemical Industrial Co., Ltd.)
- (2) Expansion completed: December 2022
- (3) Investment amount: Approx. 800 million yen