

Kunshan Plant in Jiangsu, China, Starts Operations



Tokyo Electron will contribute to the development of the Chinese panel display industry by engaging in the production of flat panel display (FPD) production equipment and maintenance of components in China

Purpose of the establishment of a new plant in China

The Tokyo Electron Group has established a new production site for its flat panel display (FPD) business in Jiangsu, China. Previously, we manufactured all FPD production equipment and service parts in Japan. We decided to break with tradition, however, and build a new plant in China in order to meet the rapidly increasing Chinese demand for production equipment in a more timely manner while improving our cost structure. The plant consists of two buildings—one for production and one for administration—with a combined floor area of 28,246 m². In the beginning, the plant will only undertake periodic maintenance but

will gradually expand operations to include alteration and partial manufacturing of production equipment. While maintaining the R&D function for differentiating technologies in Japan, we will make the most of the new plant in China to flexibly respond to the needs of the quickly expanding Chinese market and enhance our competitive advantage.

By pushing for the plant's ongoing growth and success, we will contribute to the prosperity of Kunshan City and the development of the Chinese panel display industry.

TEL Kunshan Plant in Jiangsu, China

- Company name: Tokyo Electron (Kunshan) Limited
- Location : No.8, Dongguang Road, Kunshan Economic & Technical Development Zone Jiangsu, China
- Activities : Manufacture of flat panel display (FPD) production equipment and maintenance of components
- Construction began/completed: January 2011/March 2012
- Floor area : 28,246 m²



About 350 local government officers and Tokyo Electron Group personnel attended the opening ceremony, marking the completion of the new plant in a celebratory mood helped along by *shishimai* (lion dance) and other performances.

Meeting customers' requirements in a timely manner

One of the services provided by the new plant is periodic maintenance of FPD production equipment. The plant's proximity to customers allows us to conduct maintenance in such a way as to meet customer requirements in a more timely manner. The regular and proper maintenance service also ensures that our equipment will maintain its quality and be able to be used by our customers for as long as possible. The new plant also eliminates the need to transport consumables and spare parts to Japan for repair, thereby helping reduce the environmental impact of our logistics.



Manufacturing facilities at the new plant
(large processing machines)

Environmental considerations incorporated from the planning stage

Various environmental considerations, such as the need for energy and resource saving, were incorporated from the planning stage of the new plant. One such example is a system that collects waste heat from various facilities and reuses it in air-conditioning to save energy. The plant is also equipped with a system that allows us to reuse surplus water amounting to roughly 2,000 m³ annually that is generated from pure water production as wash water. In addition, the skylights, installed as smoke vents, let in plenty of outside light to help create a bright work environment.

With regard to waste liquid containing chemical substances, we not only ensure that its generation is minimized, but also that it is treated carefully and that the level of chemical substances contained in wastewater is strictly controlled before discharge.

*1 RO: Reverse osmosis operation



RO*1 water treatment room



Synthetic wastewater treatment facility



Pure water production equipment



Liquid chemicals storage tanks

Tokyo Electron's first plant in China

Tokyo Electron (Kunshan) Limited was established as the Tokyo Electron Group's first plant in China in order to deliver products to the rapidly growing Chinese market. The first products shipped from the plant are pieces of FPD production equipment and related service components. Our mission is to enhance the satisfaction level and win the trust of our 10 FPD manufacturer customers, who between them operate more than 20 factories.

With various environmental measures incorporated from the planning stage, the new plant is designed to meet very stringent environmental regulations in China. China is working very hard on environmental protection and strictly monitors companies' compliance with national and local regulation standards. The most demanding regulations are those concerning wastewater and atmospheric emissions. Understanding this, we have installed anodizing*2 and thermal spraying facilities at the new plant that offer the highest standard of treatment quality.

With this new plant, which meets China's stringent environmental regulations, we aim to win the trust and satisfaction of local customers through Tokyo Electron's characteristic excellence in QCD (Quality, Cost and Delivery).

*2 Anodizing: A process by which aluminum is made more corrosion- and wear-resistant



Yoichi Kurono
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Tokyo Electron (Kunshan) Limited