

PRESS RELEASE

Lasertec Corporation

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(Code 6920 / Tokyo Stock Exchange 1st Section)

Lasertec receives orders from Photronics for CLIOS G1001A FPD Photomask Inspection System for G10.5, 71PA CM/PP Pellicle Inspection and Pellicle Mounting System for CLIOS, and LBIS L1052 FPD Mask Blanks Inspection System

Yokohama, Japan, November 24, 2017 – Lasertec Corporation today announced that it has received an order from Photronics, Inc. (hereinafter “Photronics”) for CLIOS G1001A FPD Photomask Inspection System for Generation 10.5, 71PA CM/PP Pellicle Inspection and Pellicle Mounting System for CLIOS, and LBIS L1052 FPD Mask Blanks Inspection System. Photronics is a global leading manufacturer of photomasks for semiconductors and flat panel displays, covering such applications as high-definition displays for smartphones and tablets and large-sized high-resolution panels for 4K and 8K TVs.

Recently, manufacturers in the FPD industry have been busy responding to the need for high-definition organic LED displays and large-sized liquid crystal displays for TV. Mask pattern scaling and panel size enlargement are progressing rapidly. Especially in China, a number of investments are being made for building large FPD production facilities. The three inspection systems ordered by Photronics will be delivered to the company’s mask production facility in China.

Drawing on Lasertec’s knowhow in large photomask inspection technology accumulated from more than 30 years of experience, the group of inspection tools to be delivered to Photronics has adopted the cutting-edge inspection technology for semiconductor masks. These tools enable automated inspection by SECS/GEM and the remote operation of pellicle mounting in a clean environment immediately after the completion of mask inspection. The introduction of these inspection tools gives the user an ability to conduct the high-sensitivity, high-throughput inspection of large-sized photomasks up to Generation 10.5, while minimizing the risk of mask contamination.

Lasertec helps customers achieve quick ramp-up and high uptime rates, thereby increasing their returns, based on experience with its large installed base and numerous records of production operation in the FPD industry. Furthermore, LBIS, a mask blank inspection system that meets the requirements of G10.5, makes a significant contribution to yield improvement in mask production by enabling the high-speed quality assurance of mask blanks.

Lasertec will keep making efforts to develop advanced inspection technologies and contribute to the development and production of high-quality photomasks.

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