

SCREEN Lineups TFT Panel Production Equipment
for Substrate Size of 1,100 by 1,250 mm

Kyoto, Japan, April 15, 2002 - Dainippon Screen Mfg. Co., Ltd. (Head office Kyoto Japan, President Akira Ishida) has developed equipment for TFT panel production, Coater/Developer SK-1100G, Panel Etcher TE-1100G, Resist Stripper TR-1100G. The equipment achieves high productivity in the precision processing of large panels – maximum substrate size of 1,100 by 1,250 mm—and lower running costs by using the latest technology preventing coating unevenness, and bow during transportation.

The equipment also meets the panel manufacturers' demand for the effectiveness of production, which depends on how efficiently panel size can be selected and how quickly returns can be made on capital investment. The new 1100 G can efficiently handle twelve 17-inch panels on a single substrate.

Featuring

Coater/Developer SK-1100G, Spin Coater for color filter SF 1100G

The coating module uses a proven resist-saving "Slit and Spin" method for resist coating. This reduces resist consumption to approximately half that of conventional methods.

Panel Etcher TE-1100G

The TE-1100G can etch large-size substrates effectively by applying the inclined substrate transfer system; this also achieves the reduction of chemicals carried out with substrates to one-fifth of the previous horizontal transfer system.

Resist Stripper TR-1100G

The new "Multi Swing Jet" stripping tool and inclined transfer system achieve a high level of stripping performance. These prevent resist from returning to the substrate after stripping and reduce the amount of mist or residual resist.

About Dainippon Screen

Dainippon Screen Mfg. Co., Ltd., is a \$1.95 billion company quoted on the Tokyo stock exchange. It was established in 1943, and is one of the leading suppliers of flat panel display manufacturing equipment for LCD, organic electroluminescence display and PDP, as well as the world largest supplier of semiconductor fabrication equipment. All of the company's production sites are certified for ISO9001 as well as for ISO14001 Environmental Management System. Homepage: <http://www.screen.co.jp/>

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