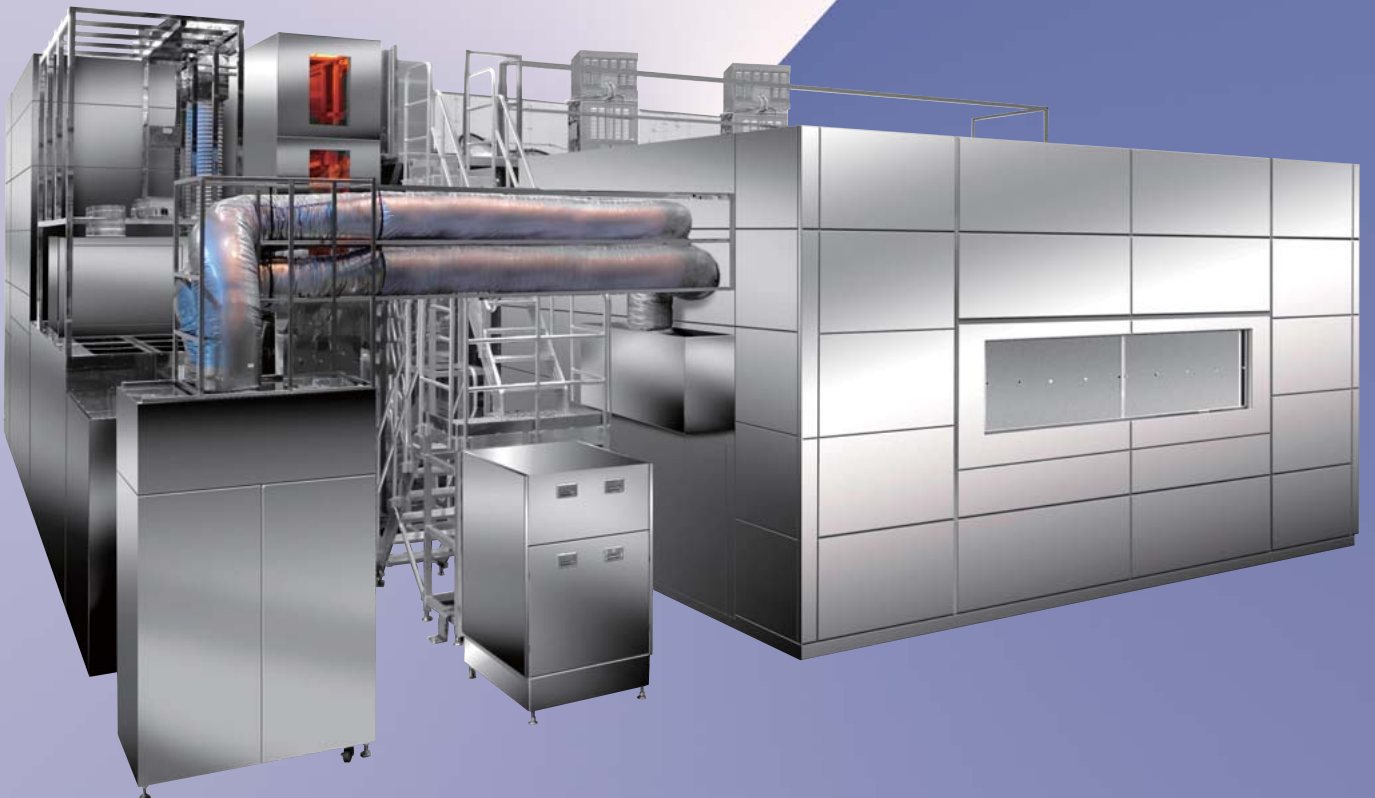




LCD Scanner

FX-101S

10th Generation Super-Large Plate Size Applications



10th Generation Super-Large Plate Size Applications

LCD Scanner FX-101S

The FX-101S offers high throughput, high resolution and high alignment accuracy—major features of the FX series—for super-large plate sizes. Mass production of high-quality and high-grade LCD panels for TVs is possible. The 11th generation super-large plate size can be supported by modified models.

Main Features

• Multi-Lens Projection Optical System

Nikon's proven multi-lens projection optical system enables a wide exposure field that cannot be achieved with other systems and simultaneously offers high resolution.

• High Throughput

High throughput for super-large plate size is possible with a wide exposure field and high-speed stage. Two 60-inch wide panels can be printed in a single scan exposure.

• High Resolution

The multi-lens projection optical system and Nikon's original focus control system enable high resolution of 3 μm (L/S) for a whole plate.

• High Alignment Accuracy

Alignment accuracy of $\pm 0.6 \mu\text{m}$ or less is possible with simultaneous multipoint alignment and a high-accuracy stage.

[Examples of 10th generation plate size application]

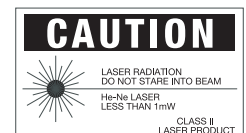
65-inch wide panel: 270 panels/hr

60-inch wide panel: 410 panels/hr

40-inch wide panel: 810 panels/hr

Specifications

Resolution (L/S) (switchable)	3.5 μm (g+h+i), 3.0 μm (i-line) (option)
Projection magnification	1:1
Alignment accuracy	$\leq \pm 0.6 \mu\text{m}$ (3 σ)
Plate size	10th generation: 2880 x 3130 mm (11th generation plate size can be supported by modified models.)
Tact time	70 sec/plate Conditions: 4 scans, g+h+i-line, 30 mJ/cm ²



WARNING

TO ENSURE CORRECT USAGE, READ THE CORRESPONDING MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.

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Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer.

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This product was developed and manufactured in the factory certified under ISO 9001.