



LCD Scanner

FX-67S

Supports 5th–6th Generation Large Plate Applications
LCD Scanner Enabling High Resolution of 2 μm



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The FX-67S enables high-resolution small and medium-sized panel manufacturing from large plates. It has improved productivity and offers excellent resolution and high alignment accuracy.

An optimal production line can be created by combining the FX-67S with the FX-66S.

Main Features

- **Multi Lens System**

The FX-67S features the Multi Lens System consisting of multiple projection lenses. This design enables a wide exposure field and excellent resolution.

- **High Throughput**

1,300 mm \times 1,500 mm plate size: 20,000 panels/hr (4-inch wide panels), 6,900 panels/hr (7-inch wide panels)

- **Improved Exposure Performance**

The FX-67S employs a new high-precision calibration function initially developed for the 10th generation LCD scanner FX-101S, and provides enhanced exposure stability performance.

- **High Resolution**

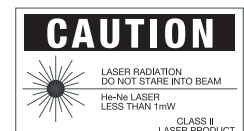
A new adjustment mechanism has been incorporated to further improve the resolution of the Multi Lens System, which comprises multiple projection lenses. A new illumination system using Nikon's proprietary resolution enhancement technique has also been developed. Also incorporated is a new auto-focus system with optimized measurement points, enabling a high resolution of 2 μ m (L/S) while also ensuring a wide depth of focus.

- **High Alignment Accuracy**

The increased number of interferometer measurement axes and the newly designed measurement system have led to improved measurement stability and a high alignment accuracy of $\pm 0.5 \mu$ m.

Specifications

Resolution (L/S)	2.0 μ m (g+h+i-line)
Projection magnification	1:1
Alignment accuracy	$\leq \pm 0.5 \mu$ m
Maximum plate size	1,500 mm \times 1,850 mm
Tact time	54 sec/plate Conditions: 1,300 mm \times 1,500 mm, 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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This product was developed and manufactured in the factory certified under ISO 9001.