



FPD Lithography Systems

# ***FX-67S2/67S***

Gen 6 Plate FPD Lithography Systems  
Delivering a High Resolution of 2  $\mu\text{m}$



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## FPD Lithography Systems FX-67S2/67S

The FX-67S2/67S supports the production of small- and medium-sized panels from Gen 6 plates. The scanner method enables improved productivity, excellent resolution and high overlay accuracy.

### Key Features

- **Multi-lens System**

Both models feature the multi-lens system consisting of multiple projection lenses. This design enables a wide exposure field and excellent resolution.

- **High Throughput**

- **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 our 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  $\mu\text{m}$  (L/S) while also ensuring a wide depth of focus.

- **High Overlay Accuracy**

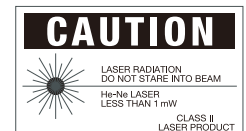
The increased number of interferometer measurement axes and the newly designed measurement system have led to improved measurement stability and a high overlay accuracy of  $\pm 0.5 \mu\text{m}$ .

- **Improved Exposure Performance**

The FX-67S2/67S employs a variety of calibration functions developed utilizing our unique technology and provides enhanced exposure performance stability.

### Performance

	FX-67S2	FX-67S
Resolution (L/S)	2.0 $\mu\text{m}$ (g+h+i-line)	
Projection magnification	1:1	
Overlay	$\leq \pm 0.5 \mu\text{m}$	
Plate size	1,500 mm $\times$ 1,850 mm	
Takt time	57 s/plate Conditions: 1,500 mm $\times$ 1,850 mm, 4 scans, g+h+i-line, 30 mJ/cm <sup>2</sup>	61 s/plate Conditions: 1,500 mm $\times$ 1,850 mm, 4 scans, g+h+i-line, 30 mJ/cm <sup>2</sup>



#### WARNING

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

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

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