



FPD Lithography Systems

# ***FX-66S2/66S***

Gen 6 Plate FPD Lithography Systems  
Delivering a Resolution of 3  $\mu\text{m}$  with High Productivity



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## Delivering a Resolution of 3 $\mu\text{m}$ with High Productivity

### FPD Lithography Systems FX-66S2/66S

The FX-66S2/66S supports the production of small- and medium-sized panels from Gen 6 plates. With the high productivity and stable exposure performance, the FX-66S2/66S enables the high volume production of small- and medium-sized panels with a resolution of 3  $\mu\text{m}$  or less (L/S).

#### 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**

The multi-lens system paired with our proprietary focus control system ensures an excellent resolution of 3  $\mu\text{m}$  (L/S) across the entire plate.

- **High Overlay Accuracy**

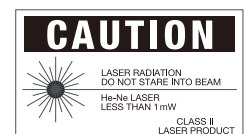
An overlay accuracy of  $\pm 0.6 \mu\text{m}$  or less is achieved using simultaneous multi-point alignment with the ultraprecise stage.

- **Improved Exposure Performance**

The FX-66S2/66S employs a variety of calibration functions developed utilizing our unique technology and provides enhanced exposure performance stability.

#### Performance

	FX-66S2	FX-66S
Resolution (L/S)	3.0 $\mu\text{m}$ (g+h+i-line)	
Projection magnification	1:1	
Overlay	$\leq \pm 0.6 \mu\text{m}$	
Plate size	1,500 mm $\times$ 1,850 mm	
Takt time	53 s/plate Conditions: 1,500 mm $\times$ 1,850 mm, 4 scans, g+h+i-line, 30 mJ/cm <sup>2</sup>	55 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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