FPD Lithography Systems

FX-66S2/66S
Gen 6 Plate FPD Lithography Systems
Delivering a Resolution of 3 μm with High Productivity
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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 μm 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 μm (L/S) across the entire plate.

- High Overlay Accuracy
  An overlay accuracy of ±0.6 μm 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

<table>
<thead>
<tr>
<th></th>
<th>FX-66S2</th>
<th>FX-66S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution (L/S)</td>
<td>3.0 μm (g+h+i-line)</td>
<td>3.0 μm (g+h+i-line)</td>
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<tr>
<td>Projection magnification</td>
<td>1:1</td>
<td>1:1</td>
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<tr>
<td>Overlay</td>
<td>≤ ±0.6 μm</td>
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</tr>
<tr>
<td>Maximum plate size</td>
<td>1,500 mm × 1,850 mm</td>
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</tr>
<tr>
<td>Takt time</td>
<td>53 sec./plate</td>
<td>55 sec./plate</td>
</tr>
<tr>
<td>Conditions: 1,500 mm × 1,850 mm, 4 scans, g+h+i-line, 30 mJ/cm²</td>
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WARNING
TO ENSURE CORRECT USAGE, READ THE CORRESPONDING MANUALS CAREFULLY BEFORE USING YOUR EQUIPMENT.

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