



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 alignment 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 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  $\pm 0.5 \mu\text{m}$ .

#### • 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	
Alignment accuracy	$\leq \pm 0.5 \mu\text{m}$	
Maximum plate size	1,500 mm $\times$ 1,850 mm	
Takt time	57 sec./plate Conditions: 1,500 mm $\times$ 1,850 mm, 4 scans, g+h+i-line, 30 mJ/cm <sup>2</sup>	61 sec./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.

All of the products in this brochure are under export restriction. The export of these products is controlled by Japanese Foreign Exchange and Foreign Trade and International export control regime. They shall not be exported without authorization from the appropriate government authorities.

Performance and equipment are subject to change without any notice or obligation on the part of the manufacturer.  
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#### NIKON CORPORATION FPD Lithography Business Unit Sales Department

Shinagawa Intercity Tower C, 2-15-3, Konan, Minato-ku, Tokyo 108-6290, Japan  
Tel: +81-3-6433-3641 Fax: +81-3-6433-3758

#### NIKON PRECISION INC.

1399 Shoreway Road, Belmont, CA 94002-4107, U.S.A.  
Tel: +1-(650)-508-4674 Fax: +1-(650)-508-4600

#### NIKON PRECISION EUROPE GmbH

Robert-Bosch-Strasse 11, D-63225 Langen, Germany  
Tel: +49-6103-973-0 Fax: +49-6103-973-333

#### NIKON PRECISION KOREA LTD.

17-24 Singal-Dong, Giheung-Gu, Yongin-Si, Gyeonggi-Do, Korea  
Tel: +82-31-288-5601 Fax: +82-31-288-5609

#### NIKON PRECISION TAIWAN LTD.

3F-1, 2, 3, 5 No. 28, Tai Yuen Street, Chu Pei City, Hsin Chu Hsien, Taiwan  
Tel: +886-3-552-5888 Fax: +886-3-552-5858

#### NIKON SINGAPORE PTE LTD.

Precision Division  
23 Church Street, Unit #13-07, Capital Square, Singapore, 049481  
Tel: +65-6367-4020 Fax: +65-6367-4021

#### NIKON PRECISION SHANGHAI CO., LTD.

RM. 601 Xin Jin Qiao Tower, No. 28 Xin Jin Qiao Road, Pudong New District, Shanghai 201206, China  
Tel: +86-21-5899-0266 Fax: +86-21-5899-1660