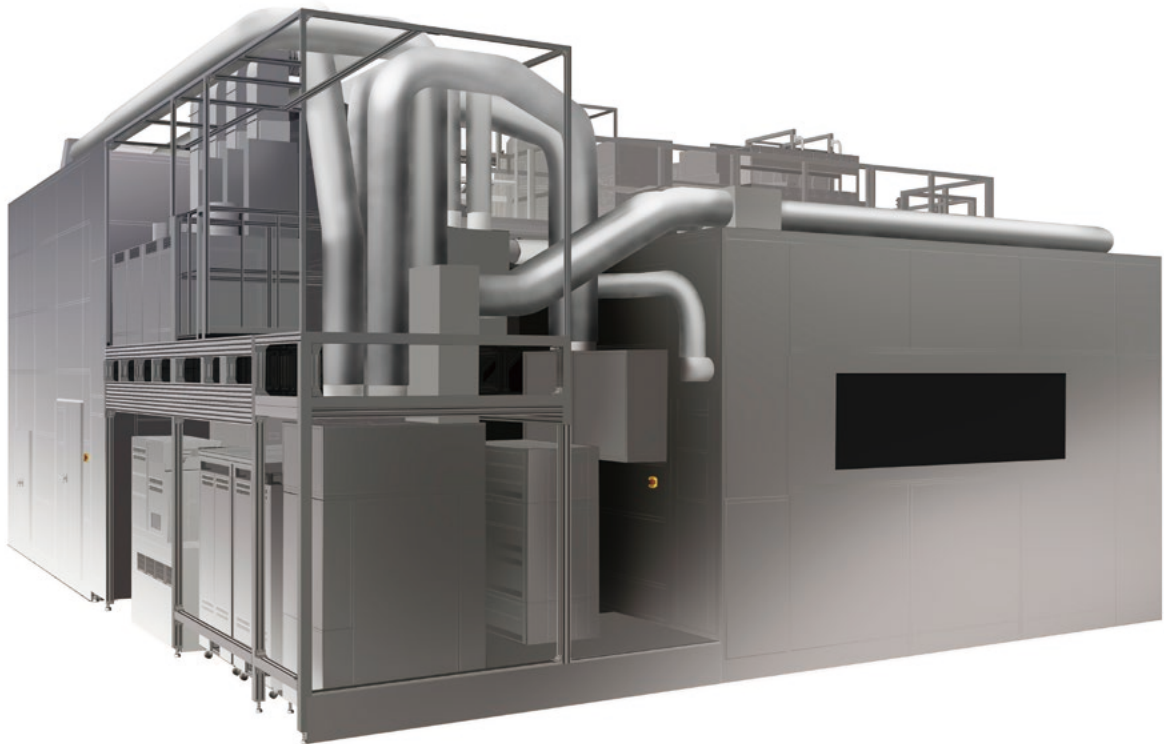




FPD Lithography System

# **FX-88S**

Gen 8 Plate FPD Lithography System  
Delivering a High Resolution of 1.5  $\mu\text{m}$



# Gen 8 Plate FPD Lithography System Delivering a High Resolution of 1.5 $\mu\text{m}$

## FPD Lithography System FX-88S

The FX-88S incorporates optimized technologies from the FX-68SH/68S, which is ideal for high-definition small-and-medium-sized panel production, and the FX-103SH/103S, which excels in the production of large TV panels. Achieving high overlay accuracy and productivity in addition to high resolution, the FX-88S supports the production of various types of panels.

### Key Features

#### • Multi-lens System

The FX-88S features the multi-lens system consisting of multiple projection lenses. This design enables a wide exposure field and excellent resolution.

#### • High Resolution

By incorporating the i-line projection lens, which was used by the FX-68SH/68S and is capable of high-volume, high-resolution production of panels, the FX-88S enables a resolution of 1.5  $\mu\text{m}$  (L/S) in Gen 8 plates. The extremely accurate focus correction system achieves excellent line-width uniformity over the entire surface of Gen 8 plates.

#### • High Overlay Accuracy

Utilization of the large stage control technique of the FX-103SH/103S and a high-resolution projection lens enables a high overlay accuracy of  $\pm 0.4 \mu\text{m}$ .

#### • High Throughput

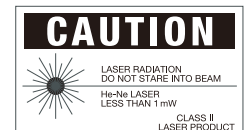
The entire surface of a Gen 8 plate can be exposed in 4 scans. The stage drive speed is improved by at least 30% compared with conventional models, resulting in a significantly shortened takt time.

#### • Flexibly Supports Volume Production of Diverse Panels

The FX-88S is ideal for high volume production of panels for high value-added premium displays, including those of smart devices, high-end monitors and large-scale televisions.

### Performance

Resolution (L/S)	1.5 $\mu\text{m}$ (i-line)
Projection magnification	1:1
Overlay	$\leq \pm 0.40 \mu\text{m}$
Plate size	2,200 mm $\times$ 2,500 mm
Takt time	47 s/plate Conditions: 2,200 mm $\times$ 2,500 mm, 4 scans, 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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**Nikon Corporation**  
Precision Equipment Group  
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

**Nikon Precision Korea Ltd.**

2, Singal-ro 124beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do, 16968 Korea

Tel: +82-31-288-5601

**Nikon Precision Taiwan Ltd.**

3F.-1, NO.28, Taiyuan Street, Zhubei City, Hsinchu County 302, Taiwan, R.O.C.

Tel: +886-3-552-5888

**Nikon Precision (Shanghai) Co., Ltd.**

11-12F, Tower 5, Crystal Plaza No. 36, Ping Jia Qiao Road, Pudong New District, Shanghai 200126, China

Tel: +86-21-5899-0266