

ArF Scanner

NSR-5320F

Proven Solutions Through Evolution



Employs the Streamlign platform to deliver exceptional performance and productivity for the most critical dry ArF applications

Nikon recently released the NSR-S320F, which employs the Streamlign platform, to deliver enhanced overlay accuracy and significantly higher throughput for dry ArF layers. This proven platform provides simplified system setup and maintenance, and delivers optimal scanner stability to reduce cost of ownership.

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Resolution	≦ 65 nm	
NA	0.92	
Exposure light source	ArF excimer laser (193 nm wavelength)	
Reduction ratio	1:4	
Maximum exposure field	26 mm × 33 mm	
Overlay	≦ 3 nm	
Throughput	≥ 200 wafers/hour (300 mm wafer, 125 shots)	

Main Characteristics of the Streamlign Platform

Bird's Eve Control **Enabling superior yield**

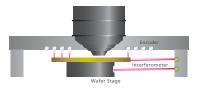
- Hybrid encoder/interferometer system delivers optimal stage performance.
- Dramatically improves accuracy and stability.
- Provides superior focus control.
- Targeting 2 nm overlay capabilities.

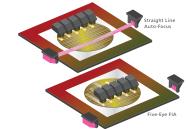
Stream Alignment **Enabling optimal affordability**

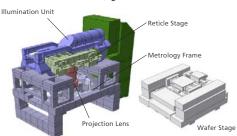
- Straight Line Auto-Focus generates a dense map of the wafer surface to enhance focus control (using wider AF beam span).
- Enables increased alignment sites with minimal productivity impact using Five-Eye FIA.
- Greatly reduces wafer overhead time.
- Targeting throughput up to 200 wph.

Modular² Structure **Enabling rapid production ramps**

- Simplifies maintenance by the modular design.
- Provides optimal uptime with modular design and individual components replacement.
- Extendible platform enables multigenerational use.











WARNING

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

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http://www.nikon.co.jp/pec

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