



ArF Immersion Scanner

# NSR-S635E

Proven Solutions Through Evolution



# Improved Overlay Accuracy and Throughput for High-volume Cutting-edge Semiconductor Manufacturing

The NSR-S635E ArF immersion scanner with integrated inline Alignment Station (iAS) developed for high-volume cutting-edge semiconductor manufacturing.

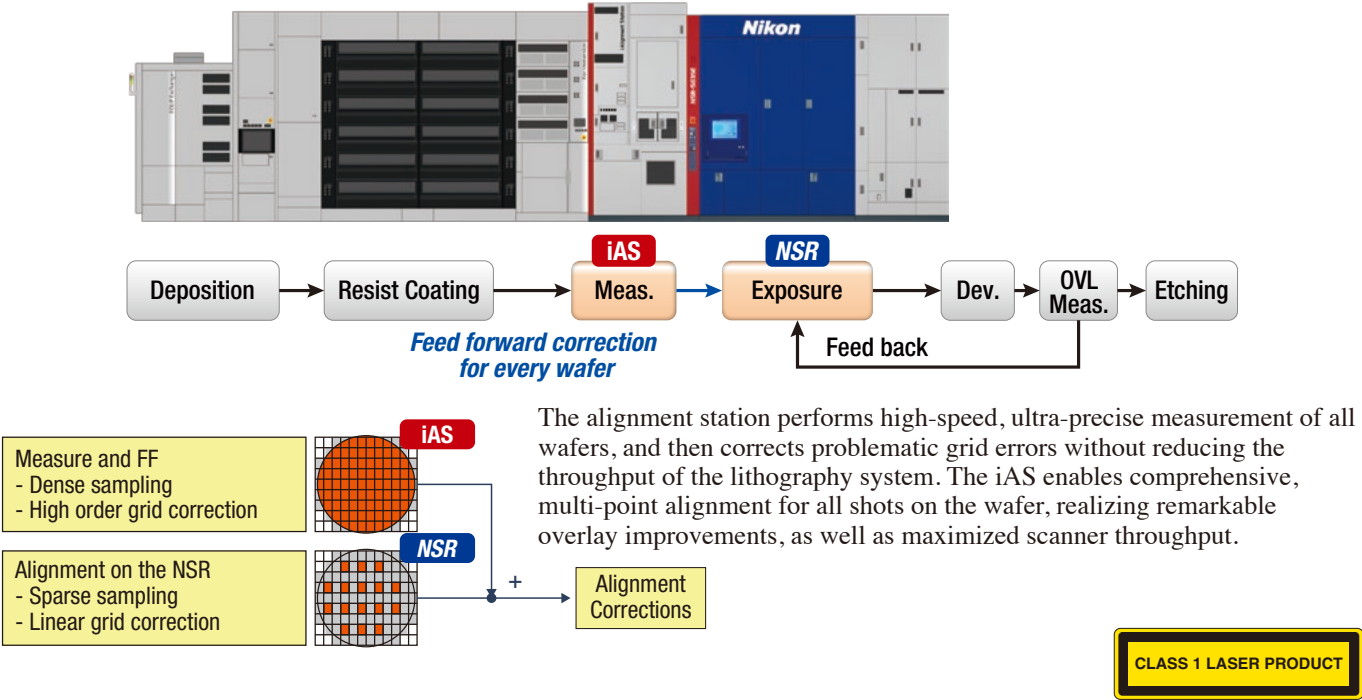
Adopting the *Streamalign* platform efficiency, the NSR-S635E delivers improved overlay accuracy under 2.1 nm MMO and remarkable throughput of more than 275 WPH (96 shots) simultaneously.

# NSR-S635E

Performance	
Resolution	≤ 38 nm
NA	1.35
Exposure light source	ArF excimer laser (193 nm wavelength)
Reduction ratio	1:4
Maximum exposure field	26 mm × 33 mm
Overlay	≤ 2.1 nm (MMO*1)
Throughput	≥ 275 wafers/hour (96 shots)

\*1 Mix and Match Overlay: machine-to-machine overlay accuracy (NSR-S635E#1 to S635E#2)

## Features of the inline Alignment Station (iAS)



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

The export of this product is controlled by Japanese Foreign Exchange and Foreign Trade Law and International export control regime. It shall not be exported without authorization from the appropriate governmental authorities.

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