



Wafer Inspection System

OPTISTATION-3200/3100/3000



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OPTISTATION-3000

Wafer Inspection System OPTISTATION-3200/3100

The OPTISTATION-3200/3100 is equipped with Nikon's acclaimed CFI₆₀₋₂ optics, producing clear images with high contrast and minimal flare.

Key Features

- Equipped with Nikon's proprietary CFI₆₀₋₂ optics to produce clear images with high contrast and minimal flare. The darkfield signal-to-background ratio is three times higher than with conventional Nikon optics, ensuring significantly better imaging.
- Nikon's acclaimed wide illuminator (WIL) and line illuminator (LIL) enable macro inspections under ideal conditions.
- State-of-the-art image processing and analysis technology enables highly accurate review inspections.
- Flexibility in load port positioning allows the OPTISTATION-3200/3100 to meet a variety of layouts and requirements of factory automation handling 300 mm wafers. OHT and other automatic transfer systems are supported too.
- Optimal recipe conditions are simply created by an easily accessible touch-screen. According to specifications of objective lens and wafer that is inspected, optimal observation settings, including aperture and light intensity can be set in advance.

Wafer Inspection System OPTISTATION-3000

The OPTISTATION is a wafer inspection system that enables simple and speedy manual visual inspection of 300 mm wafers. It contributes to dramatic increases in yields as an inline inspection system and analysis tool for R&D defect analysis.

Key Features

- The OPTISTATION-3000 inherits a system that boasts the high system stability and high-transfer rate, proven in front end process, of the OPTISTATION-3200/3100. The system provides the highest system reliability in its class, using a safety design that complies with SEMI standards.
- In addition to macro surface inspection, the system comes standard with edge inspection and the center of wafer back sides. The control of rotation speed and tilt angle during macro inspection can be manually adjusted from the default position using a joystick.
- Equipped with Nikon's proprietary CFI₆₀₋₂ optics to produce clear images with high contrast and minimal flare. The system comes standard with extra-long working distance lens and this suppresses image skipping when switching objectives from low to high magnification, enabling the system to deliver superior operatability and stability, combined with high resolution.
- Loading a 200 mm cassette adapter enables the combined transfer of 200-300 mm wafers on a single unit. There is no need for bothersome adjustments when making inch-size changes thanks to the load port's auto recognition of cassettes and the design of two-size shared parts. System uptime is thereby dramatically improved.

Specifications

- OPTISTATION-3200: 2 load port/300 mm wafer (200 mm wafer: option)
- OPTISTATION-3100: 1 load port/300 mm wafer (200 mm wafer: option)
- OPTISTATION-3000: 1 load port/300 mm wafer or 200 mm wafer



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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