

WAFERMATE200™ ROBOTIC WAFER HANDLING

HIGH PERFORMANCE WAFER-HANDLING PLATFORM

The *WaferMate200* is a high performance wafer-handling platform, engineered for the expert automation of semiconductor wafers and similar substrates. The standard SMEMA interface provides the most cost-effective wafer-level process solution for systems that traditionally fit a conveyor layout.

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The most technologically advanced and trusted manufacturing solutions provider

PRODUCT FEATURES AND BENEFITS

- Pairs seamlessly with multiple process tools.
- Configurable for two, three or four cassette positions.
- Suitable for all open cassette presentation formats.
- Accommodates film frames, 300mm open cassettes, and special thin and warped wafer components.
- Features 4-axis robots.
- Full safety guarding (OSHA and ANSI compliant).
- Suitable for 50mm to 200mm wafers, or 300mm from shipping cassette.

STANDARD ACCESSORIES

- Aligner
- Mini Environment
- OCR
- Ionization Bar
- Barcode
- Wafer Flip Module
- RFID
- Wafer Conveyor / Oven Interface
- Cassette Tilter
- SMEMA & SECS/GEM Interfaces



WaferMate200 is the most cost-effective tool for automated standard & non-standard wafer handling

SPECS

Machine Footprint	609mm x 1244 mm
Wafer Alignment	to $\pm .05^\circ$
Wafer Placement	$\pm 100\mu\text{m}$
Clean Room Classification	Up to ISO Class 4 (Optional)
Wafer Interface Options	
- SMEMA	- Serial
- SECS/GEM	- Wafer Conveyor
Loadport Positions Available	Up to 4 x 200mm Cassettes
MTBF	60,000 hours
Full SEMI Compliance	
SEMI S2, S5, CE Compliant	
Uptime	>97%
Handling Capabilities	
- Thin Wafers	- Bonded Wafers
- Warped Wafers	- Perforated Wafers
- Thick Wafers	- Trenched Wafers
- Glass Wafers	

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