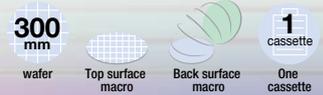


300 mm compatible wafer loader & microscope system



AL120-LMB12-LP3



AL120-LMB12-F

With attention to wafer safety, the AL120-12 is committed to enhancing the essence of operations in back-end process and providing improving yield and productivity improvement.

Easy operation

- The AL120-12 emphasizes usability through features including fully customizable Inspection mode and device design that takes into account operability tailored for exclusive use in back-end process.
- The AL120-12 also provides you the system with FOSB for exclusive use.

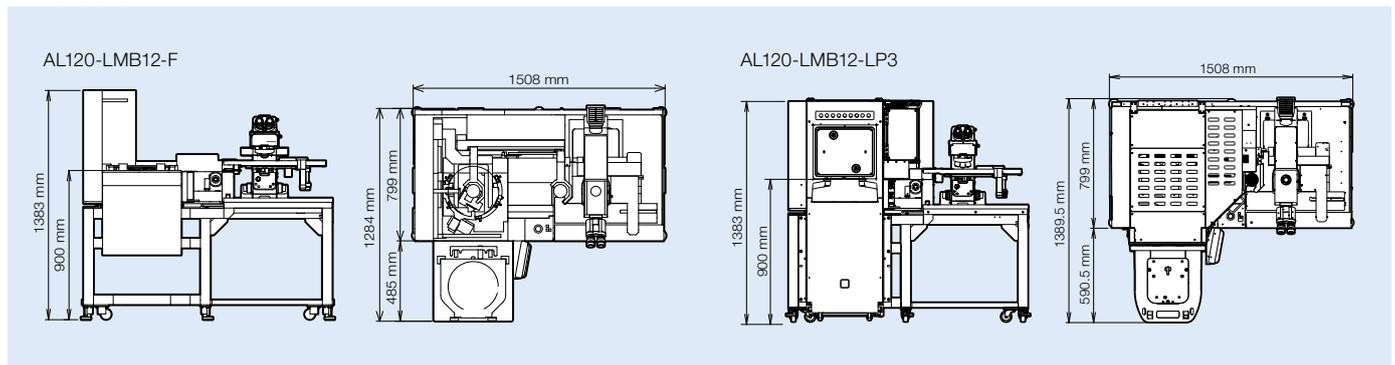
High system reliability and inherited system performance

- The AL120-12 allows safety and automated micro inspection of 300 mm wafers, with keeping the high level of reliability and safety provided in the AL110 series.
- The AL120-12 enables a transfer of both warped wafer and thin wafer with OLYMPUS safety and reliable handling system.
- The AL120-12 provides you easy operation and high visibility with the optimized position for macro inspection and the friendly control panel.

Specifications

	AL120-LMB12-F	AL120-LMB12-LP3
Wafer size	300 mm (SEMI M1.15 $t=775 \mu\text{m}$) 200 mm (Optional)	
Standard type of cassette	FOSB (Front Opening Shipping Box) SEMI: M31-0999 Standard	FOUP (Front Opening Unified Pods) SEMI: E47.1-0200 Standard FIMS-FOSB, FOSB
Number of cassette	1 Cassette (load /unload on the same route)	
Height of cassette loading position	900 mm	
Load port	Not available	Available
Transfer modes	Top macro inspection, back macro inspection, micro inspection	
Inspection mode	Sequential or Sampling	
Wafer alignment	Non-contact centering	
Wafer handling method	Robot arms with vacuum pickup	
Compatible microscope	Semiconductor wafer inspection microscope MX63L	
Utility	AC100 V – 120 V, 220 – 240 V 3.0/1.7 A 50/60 Hz Vacuum -67 kPa – -80 kPa	AC100 V – 120 V, 220 – 240 V 3.0/1.7 A 50/60 Hz Vacuum -67 kPa – -80 kPa Clean dry air 0.5 MPa – 0.6 MPa
Stage	XY manual stage with vacuum attraction /360 degree rotatable function	
Weight (excluding the microscope)	Approximately 270 kg	Approximately 360 kg

Dimensions



- EVIDENT CORPORATION is ISO14001 certified.
- EVIDENT CORPORATION is ISO9001 certified.
- Illumination devices for microscope have suggested lifetimes. Periodic inspections are required. Please visit our website for details.
- This product is designed for use in industrial environments for the EMC performance. Using it in a residential environment may affect other equipment in the environment.
- All company and product names are registered trademarks and/or trademarks of their respective owners.
- Images on the PC monitors are simulated.
- Specifications and appearances are subject to change without any notice or obligation on the part of the manufacturer.

EvidentScientific.com

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OLYMPUS