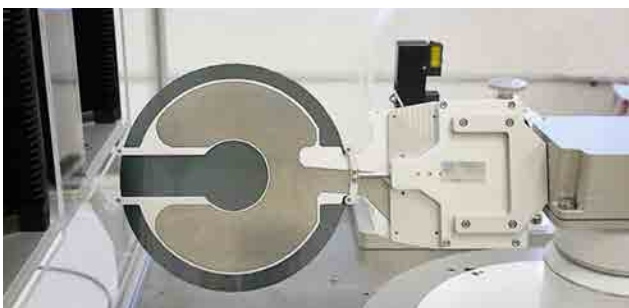




Quartet Mechanics' WL-200/300 series wafer auto loader employs the most advanced handling technology, featured by a versatile platform that accommodates all sorts of carriers (FOUP/FOSB/SMIF/cassette) and wafers (one tool to handle wafer from 50 to 1600 $\mu$ m thickness, 6"/8" or 8"/12 multi size). It also features a 270-degree self-tilting function for a complete macro inspection of the wafer's top and back surface.

A sensor-guided non contact edge grip end effector can top approach the stage to safely pick up the wafer. The end effector's constant monitored gripping force assure any fragile wafer's safety during picking and flipping. The WL-200/300 provides optional edge grip aligner that can prevent any contamination generated from the contact of front and back side of wafer.

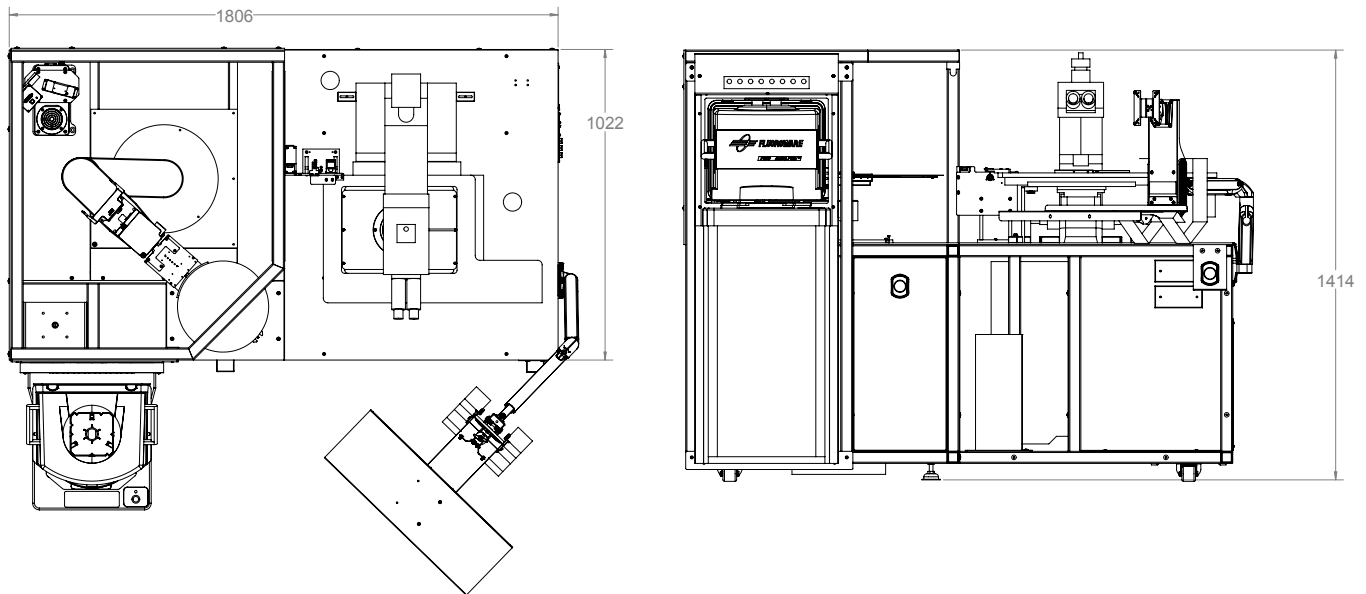
- Adjustable 6"/ 8" and 8/12" wafers
- Handles from 50 to 1600 $\mu$ m wafer thickness
- Safe non contact top/bottom pick, flipping and aligning
- For FOUP/FOSB/SMIF/cassette
- Cassette mapping and cross-slot detection
- Wafer & carrier's ID capturing and verifying
- Adaptable to most microscope models
- Operates without vacuum (pneumatic air needed for thin wafer)
- Unlimited manual or software manipulated recipes
- 15" touch screen with bilingual (English/ Chinese) interface



## SEPECIFICATION

Model #	WL200-A	WL200-B	WL300-A	WL300-B	
Wafer Size diameter	200mm	200mm	300mm	300mm	
Wafer Load Mode	SMIF/Cassette		FOUP/FOSB		
Interface Type	Auto Port with RFID & Mapper				
Number of interfaces	1	2	1	2	
Hardware	Robot	3 axes R-θ	4 axes SCARA	3 axes R-θ	4 axes SCARA
	End Effector	Vacuum/ Edge/ Vortex grip			
	Aligner	Edge/ Vacuum grip			
	Buffer	Optional			
	OCR	1/2 ea			
Software	User Interface	English			
	Factory Interface	SECS/GEM communication			
	Mode	Manual and semi-automatic			

## LAYOUT



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