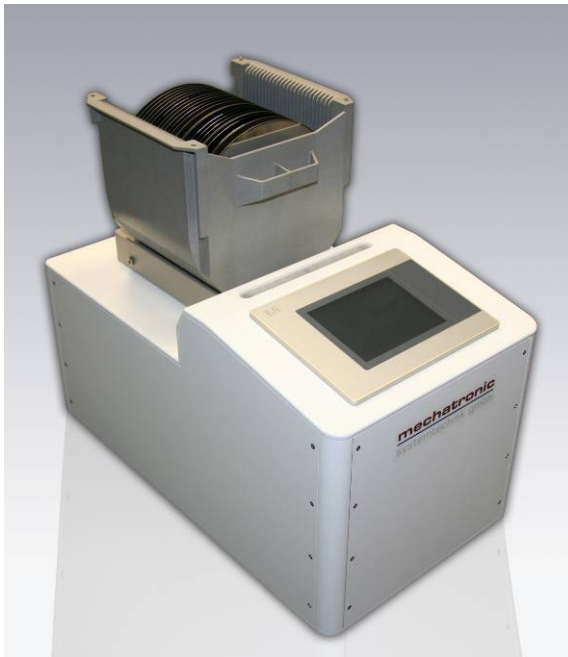


Batch Wafer Reader

mBWR 200



Description

The Batch Wafer Reader mBWR 200 enables fully automated wafer alignment and wafer-ID reading of 200 mm (8") wafers in a cassette with 25 slots.

The compact design saves space and time at a high performance and very reasonable costs.

Applications

- automated wafer alignment
- automated wafer ID reading

Features

- compact footprint for tabletop use
- alignment & ID-reading of various wafer types
- fast cycle times (35 sec./25 slot)
- user friendly SEMI standard GUI
- ISO class 3 (former FS209E cleanroom class 1)
- CE certificated
- SEMI standards compliant

Basic Configuration

- for 200 mm (8") wafers
- for cassettes with 25 slot
- wafer aligner
- wafer ID reader (IOSS-WID 110)
- integrated high performance PC (Intel Atom 1.6 GHz, 2 GB Ram)
- USB 2.0 interface
- save or print function
- 5.7" touch screen
- RGB LED illumination

Optional Configuration

- mapping sensor
- RFID reader
- SECS/GEM interface

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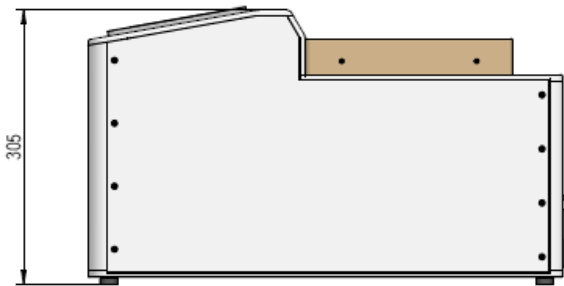
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Batch Wafer Reader

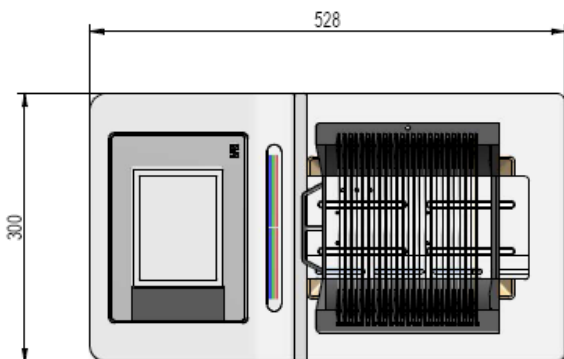
mBWR 200

Specifications

Side view



Plan view



Wafer size	200 mm (8")
Wafer thickness	> 350 µm
Cleanliness class*	ISO class 3
Dimensions	
w / d / h in mm	300 / 528 / 305
Weight	About 20 kg
Electrical engineering	
Power supply	100-240 VAC / 50-60 Hz
Fuse	T6A
Interface	
Operator interface	5.7" touch screen
External interface	USB, 2x Ethernet, RS232
Service Interface	Remote control (optional)
Readable media / codes	
Various non Semi OCR fonts and radial waferID scribes possible	
Reading field size	34 x 10 mm
OCR	SEMI font M12, M13, M1.15 9 x 17 single density dot matrix 10 x 18 double density dot matrix
Data matrix code	ECC200 (SEMI M1.15, T7)
Bar code	BC412 (SEMI T1-95), IBM412
Noise emission	55 dBA
Cycle time per cassette	35 sec. depends on receipt
CE certificates	2006/95/EC, 2006/42/EC, 2004/108/EC
FCC certificates	FCC15 class A
SEMI standards compliant	

* ISO EN 14 644-1

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