

Wafer Sorter mWS 150/200



Description

The Wafer Sorter mWS 150/200 is designed for sorting 150/200 mm (6"/8") wafers and can be equipped with up to six cassettes.

The mWS 150/200 monitors all wafers in the cassette before and during the whole work process and verifies wafer and end-effector compatibility.

Applications

- sorting
- splitting
- merging

Features

- optimized footprint
- Highest product & operation safety
- handling of thin and warped wafers
- handling of standard and TAIKO wafers
- Cleanroom class: ISO class 5
- CE certificated
- SEMI standards compliant

Basic Configuration

- one dual-arm robot
- Bernoulli vacuum end-effectors 6" and 8"
- wafer flipping function
- up to six cassette stations
- two scanners
- one pre-aligner
- one end-effector change station
- one end-effector cleaner
- GUI

Configuration Options

- batch end-effectors 6" and 8"
- RFID reader for cassette ID
- green light visual inspection
- OCR reader for wafer ID
- SECS/GEM interface
- FFU (filter fan unit) for higher cleanroom class
- UPS (uninterruptible power supply)
- ionizer

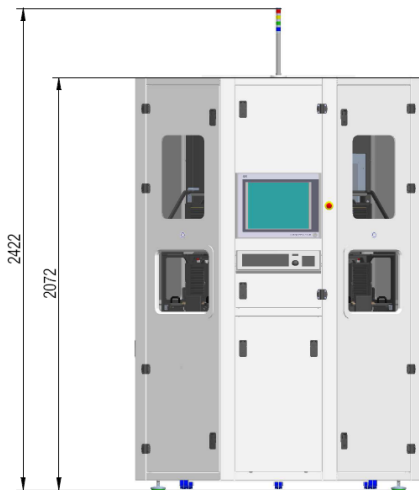
Errors excepted. We reserve the right to change technical specifications without prior notice.
All rights reserved © mechatronic systemtechnik gmbh 07/15

Wafer Sorter

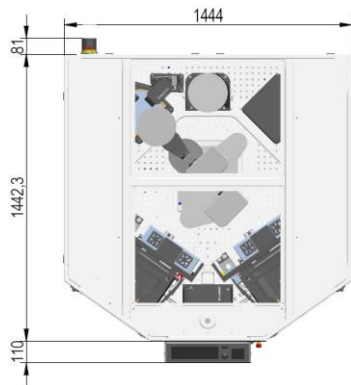
mWS 150/200

Specifications

Front view



Plan view



Wafer size	150 mm (6") and 200 mm (8")
Cleanroom class*	ISO class 5
Dimensions	
w / d / h in mm	1444 / 1633 / 2422
Service area	600 mm around the machine
Weight	About 980 kg
Operation and loading	
Operation and loading	Front and left side loading / operation
Cassette loading	Manual
Supply	
Power supply	200-240 VAC / 50-60 Hz / 16 A
Control voltage	24 VDC
Pneumatic	
Pneumatic media	CDA and/ or N ₂
Supply pressure CDA	6.0 – 7.0 bar
Supply pressure N ₂	6.0 – 7.0 bar
Interface	
Operator interface	Monitor + keyboard (opt. touch screen)
External interface	USB, Ethernet, SECS/GEM (optional)
Service interface	Remote control (optional)
Throughput	depends on recipe
CE certificates	2006/95/EC, 2006/42/EC, 2004/108/EC
SEMI standards compliant	

* ISO EN 14 644-1

Errors excepted. We reserve the right to change technical specifications without prior notice.
All rights reserved © mechatronic systemtechnik gmbh 07/15