

Packing Tool

mPT 200/300 neo



Description

The Packing Tool mPT200/300 is designed for packing and unpacking of 200/300 mm (8"/12") wafers from Cassette/FOUP to shipping box and v.v. by using bernoulli vacuum end-effectors.

Applications

- packing
- unpacking

Features

- optimized footprint
- high throughput
- handling of wafer
- Cleanroom class: ISO class 6
- CE certificated
- SEMI standards compliant

Basic Configuration

- one dual arm 3 axis robot
- Bernoulli vacuum end-effectors 8" and 12"
- two Load-ports for 200mm cassettes and 300mm FOUPs
- one station for shipping boxes
- two stations for packing material
- one station for recycling material
- GUI/Operator interface w. touchscreen

Configuration Options

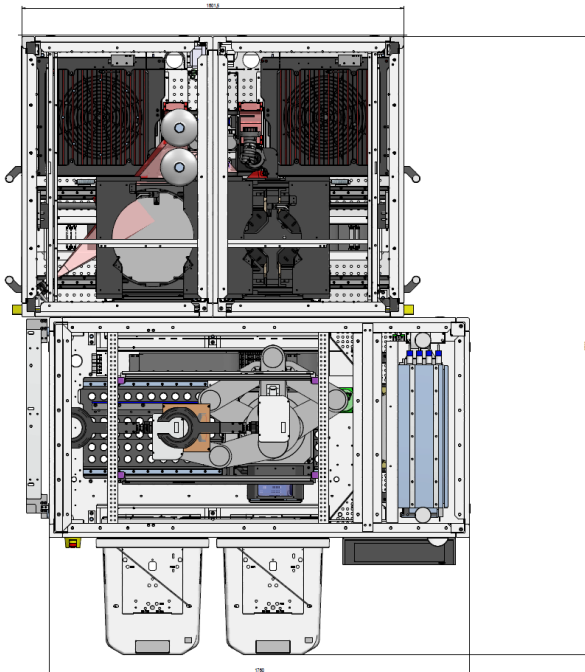
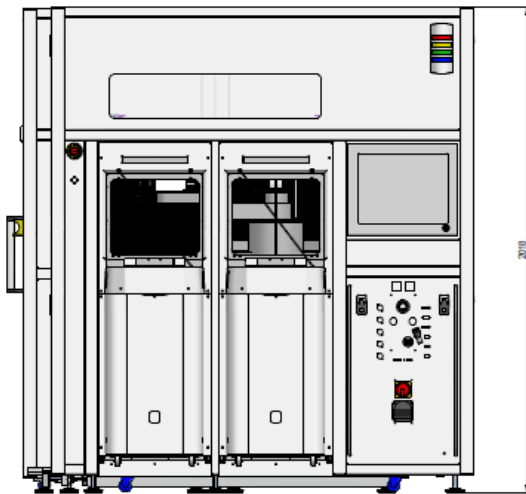
- third station for packing material
- Sorting function w. FOSBs
- OCR / QR / DMC reader for wafer ID
- Bar Code Reader for shipping box ID
- RFID antennas for cassette / FOUP ID
- Various Endeffectors w. EE change station
- SECS/GEM interface
- FFU (fan filter unit) for higher cleanroom class
- Ionizer with temperature and humidity monitoring
- Keyboard, manual Lot ID Reader
- additional load / unload position for external metrology

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Specifications

Front view



Wafer size	200 mm (8") and 300 mm (12")
Cleanroom class*	ISO class 6
Dimensions	
w / d / h in mm	1880 / 2588 / 2018
Service area	600 mm around the machine
Weight	About 2000 kg
Operation and loading	
Operation and loading	Front
Carrier loading	Manual
Shipping box and packing material loading	Manual
Supply	
Power supply	230VAC / 50-60 Hz 1+N / 32A
Control voltage	24 VDC
Pneumatic	
Pneumatic media	CDA and Vacuum
Supply pressure CDA	6 – 7 bar
Supply pressure Vacuum	> -85 kPa
Interface	
Operator interface	Monitor + touch screen (opt. keyboard)
External interface	USB, Ethernet, SECS/GEM (optional)
Service Interface	Remote control (optional)
Throughput	
Throughput (depends on recipe)	Up to 200 wafers per hour
CE certificates	2006/95/EC, 2006/42/EC, 2004/108/EC
SEMI standards compliant	

* ISO EN 14 644-1