

Packing Tool

mPT 150/200



Description

The Packing Tool mPT 150/200 is designed for packing and unpacking of 150/200 mm (6"/8") wafers by using contactless end-effectors.

Applications

- packing
- unpacking

Features

- optimized footprint
- Up to 150 wafer/Hour
- handling of warped wafers
- contactless wafer handling
- Cleanroom class: ISO class 5
- CE certificated
- SEMI standards compliant

Basic Configuration

- one dual-arm robot
- contactless end-effectors 6" and 8"
- wafer flipping function
- three stations for shipping boxes and packing material
- one packing chuck unit
- two cassette stations 6" / 8" with scanner
- one pre-aligner
- GUI

Configuration Options

- green light visual inspection
- up to five stations for shipping boxes and packing material
- OCR reader for wafer ID
- SECS/GEM interface
- FFU (filter fan unit) for better cleanroom class
- UPS (uninterruptible power supply)
- ionizer
- storage place for shipping- and material boxes
- mBV 150/200 end-effector for sorting and splitting
- automatic end-effector change station

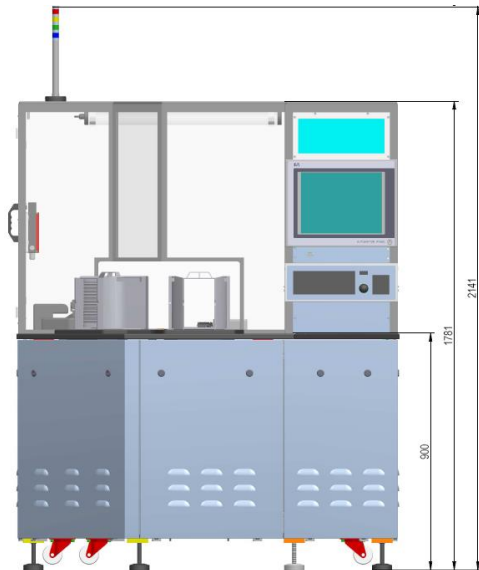
Errors excepted. We reserve the right to change technical specifications without prior notice.
All rights reserved © mechatronic systemtechnik gmbh 07/15

Packing Tool

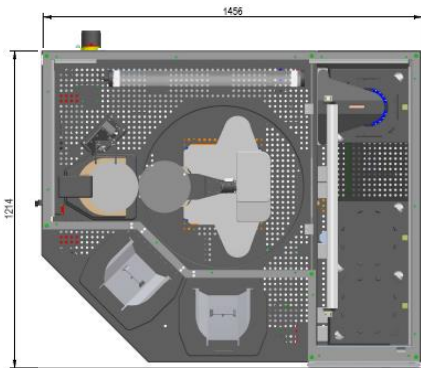
mPT 150/200

Specifications

Front view



Plan view



Wafer size	150 mm (6") and 200 mm (8")
Cleanroom class*	ISO class 6
Dimensions	
w / d / h in mm	1456 / 1290 / 2141
Service area	600 mm around the machine
Weight	About 800 kg
Operation and loading	
Operation and loading	Front, right and left side loading / operation
Cassette loading	Manual
Shipping box 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	
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

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