

Ring Remover

mRR 300



Description

The Ring Remover mRR 300 enables fully automated handling of film frames and removing laser-cut rings from the laminated wafer 300mm (12 inch).

Application

- automated ring removing

Features

- optimized footprint
- throughput of up to 60 wafers on film frames per hour
- cassette placement by OHT or manual
- Cleanroom class: ISO class 6
- CE certificated
- SEMI standard compliant

Basic Configuration

- one dual-arm robot
- two frame end-effectors 12"
- two cassette ports for 300 mm (12") wafers on film frames
- two ring remover stations 12"
- wafer flipping function
- robot linear track
- GUI

Configuration Options

- OCR reader for frame ID
- RFID for frame cassette
- barcode reader for frame ID
- SECS/GEM interface
- FFU (filter fan unit) for higher cleanroom class
- OHT loading
- UPS (uninterruptible power supply)
- ionizer

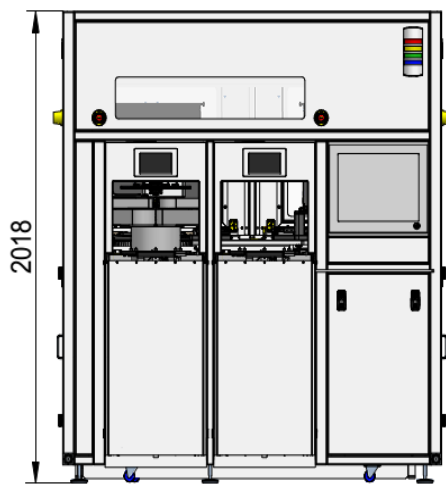
Errors excepted. We reserve the right to change technical specifications without prior notice.
All rights reserved © mechatronic systemtechnik gmbh 07/15

Ring Remover

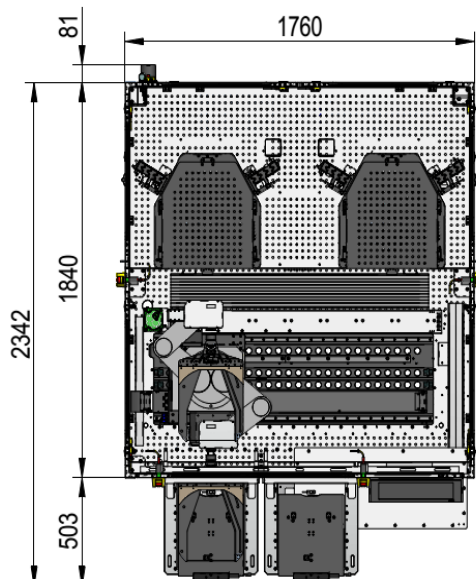
mRR 300

Specifications

Front view



Plan view



Frame size	For 300 mm (12") wafers
Cleanroom class*	ISO class 6
Dimensions	
w / d / h in mm	1760 / 2342 / 2018
Service area	600 mm around the machine
Weight	About 1350 kg
Operation and loading	
Operation and loading	From front side
Cassette loading	Manual or OHT
Supply	
Power supply	200-240 VAC / 50-60 Hz / 20 A
Control voltage	24 VDC
Pneumatic	
Pneumatic media	CDA and N ₂
Supply pressure CDA	6.0 – 7.0 bar
Supply pressure N ₂	6.0 – 7.0 bar
Interface	
Operator interface	Touch screen 19"
External interface	USB, Ethernet, SECS/GEM (optional)
Service Interface	Remote control (optional)
Throughput	
Throughput (depends on recipe)	Up to 60 wafer film frames 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