



S300 HIGH-SPEED WAFER SORTER/EFEM

The S300 series of high-speed wafer sorter use the core of the exclusive patented components. We provide both high performance, low maintenance costs and flexible combination of accessories, which is your best wafer transfer program.

- High-speed robot with double end-effectors, dual aligner and dual OCR to ensure that the pick-up transfer efficiency is maximized and the wafer ID can be read on both sides.



Three - point Vacuum Aligner

- Degree of reproducibility: 50µm / 0.03°.

- HEPA - High Efficiency Particulate Air Fan Filter Units (FFU).



- Available FOUP, FOSB, SMIF and cassette.

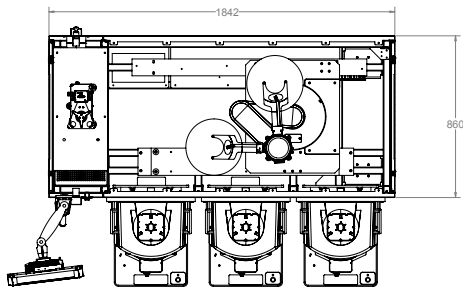


Upgradeable "SoftTouch"

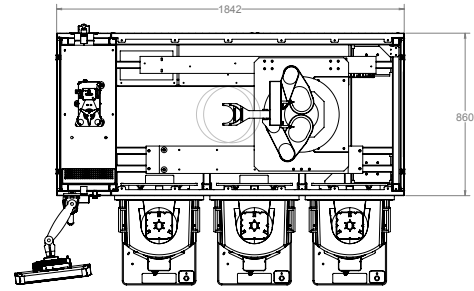
- Simple man-machine interface, can be flexible to set delivery rules.

- Use SECS/GEM communication.

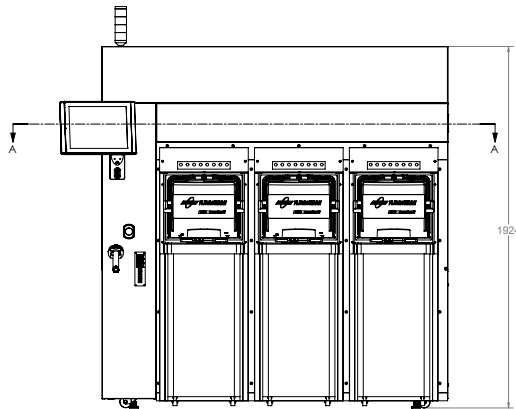
SPECIFICATION



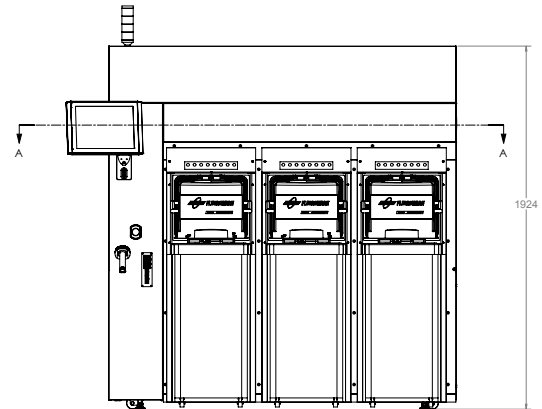
SECTION A-A
SCALE 1 : 8



SECTION A-A
SCALE 1 : 8



S300 Dual Wrist



S300 Dual Arm

| Standard Configuration | | PERFORMANCE |
|------------------------|---------------------|--|
| Model # | | S300 |
| Wafer size | Diameter | 300mm |
| Carrier | | FOUP & SEMI-STD FOSB |
| Platform | Auto Port # | 3 |
| | Specification | Auto Port with RFID & Mapper; class 10 cleanliness, ESD |
| Speed | Throughput | 200~400 WPH |
| Component | Robot | Dual Wrist/ Dual Arm |
| | End Effector | Vacuum, optional Edge grip (2 ea) |
| | Aligner | Vacuum, optional Edge grip (2 ea) |
| | OCR | 2 ea |
| Software | OS | Manufacturer's standard operation system |
| | User Interface | English or/and Chinese GUI |
| | Equipment Interface | CAN, TCP/IP or RS232 |
| | Factory Interface | SECS/GEM communication |

QUARTET MECHANICS INC.
 email: inquiry@quartetmechanics.com / www.quartetmechanics.com
 4055 Clipper Court, Fremont, CA 94538, USA
 P +1.510.490.1886 / F +1.510.490.1887
 Email: inquiry@quartetmechanics.com

