This multifunction wafer demounting and cleaning machine automatically conducts processes from light cleaning, wafer demounting and scrub cleaning of ingots sliced by wire saw to storage into cassettes.

- Designed to be compatible with gluing plates of all wire saw makers
- Sliced ingots can be transferred by ingot lifters built specifically for wire saws
- Handles from water-based slurry to oil-based slurry, and cleaning solutions can be used and recycled through filters
- High throughput
- Makes low running costs possible
### Basic Specifications

**Dimensions, Weight**
- C-RW-245: 5100(W) x 1450(D) x 2200(H) / 2.8m x 1.45m x 2.2m, 5000kg
- C-RW-345: 7100(W) x 1650(D) x 2400(H) / 3.0m x 1.65m x 2.4m, 7000kg

**Applicable Workpieces**
- C-RW-245: 8" (203mm), L(max) = 450mm
- C-RW-345: 12" (304mm), L(max) = 450mm

**Multi-slicing capabilities**: 2 ingots

**Assorted materials**: SUS304

**Housing frame material**: Aluminum extrusion material

**Utility**
- Cleaning solution: Water for industrial use or Clean-thru: KS-1000
- Air supply: At least 0.5MPa
- Power supply: 200V AC
- Exhaust ventilation: At least 0.5MPa

**Automation**
- Host computer signals: SECS-1/2 compliant, HSMS or RS232C connection possible
- Signal tower: 3-color indicator

### Structural Specifications

**Slide Ingot carrier unit**
- Chuck with vertical 180° inversion mechanism

**Light cleaning unit and light cleaning lifter**
- Oscillating control on a light cleaning lifter

**Light cleaning (sliced cleaning)**
- Structure: Chamber structure
- Cleaning: Spray nozzle showering
- Cleaning lifter: Oscillating control and shower cleaning

**Wafer Demounting**
- Structure: Demounting tank + Wafering unit + Lot partition
- Demounting: Demounting tank max. temperature: 95°C

**Conveyor Unit**
- Structure: Shuttle conveyor
- Carrier: Max.speed: 80mm/sec

**Scrub Cleaning Unit**
- Structure: Cleaning tank (Brush cleaning, rinse tank) + Drying
- Cleaning: Front and back reversible brush + Cleaning water nozzle

**Supply Unit/Storage Unit**
- Structure: Wafer carrier robot + carrier set
- Storage carrier: Cassette carrier type (4C, 8C, 12C, 25 cassettes per carrier)

### Contact Information

**Global Network**

### TOSEI Engineering Corp.

http://www.toseieng.co.jp/wafer/en/

Tsuchiura Factory Edge Division
2-14 Kita-kandatsu, Tsuchiura-city Ibaraki 300-0015, Japan
TEL. 029-830-1882
E-mail: gijyutsu1@toseieng.co.jp