

COMPASS SRD

Spin Rinse Dryers for
Low & High Profile Cassettes

The Compass Family of Spin Rinse Dryers exceeds cleaning, rinsing and drying standards for semiconductor wet processes. The Compass SRD is designed to reduce facilities cost while meeting and exceeding cleanliness, dryness and particles specifications. The Compass SRD outperforms every spinning batch product on the market in terms of vibration and static control. It offers more programmable process control options than any machine in its class.

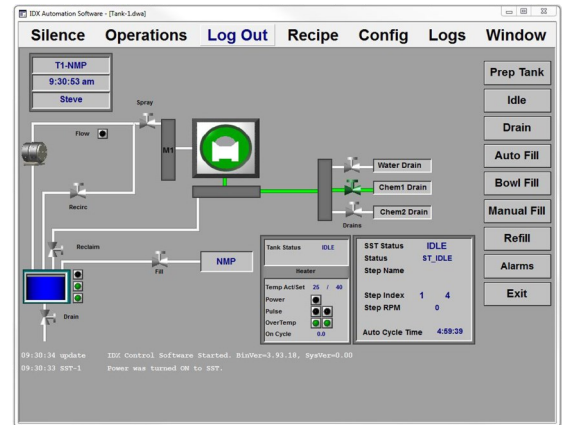
The IDX software platform allows for seamless integration into any factory automation software including SECS/GEM. Virtually any process parameter can be controlled, viewed on the user interface and data logged. With wafers passing through million dollar machines before and after an SRD why would anyone settle for the cheapest option when the best option is affordable? The MEI Compass SRD is clearly the best option, visit MEI online to find out why.

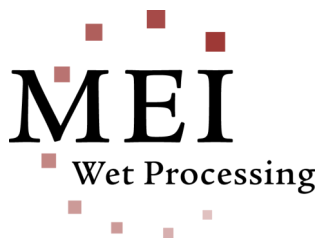


Key Features / Benefits :

- Stainless cabinet / FM 4910 compliant
- Industrial PC, Windows 7 / Reliable & Industry supported
- 10.4" color touch-screen HMI / Graphical, Intuitive interface
- Isolated drain box / Eliminates vapors from backing up into the chamber
- IDX Flexware Control Software / Expanded software capabilities and control
- Uniform 10 nozzle manifold / Adjustable nozzles allows for uniformed spray pattern
- High-purity St. Gobain valves / Off the shelf components from worldwide distributors
- Programmable N2 heater / Able to set and monitor N2 temperature (Displayed on user interface)
- Modular design / Interchangeable between Bench Top, Single Stand-Alone and Double Stand-Alone
- Programmable Blanket Heater / Able to set and monitor blanket heater temperature (displayed on user interface)
- Programmable Anti-Stat/ Able to turn on during all steps*
- Programmable Anti-Stat has the ability to be turned on before opening door to pull wafers out of the chamber

* exception of the rinse step





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Specifications:

- Cabinet types: Bench Top, Single Stand-alone & Dual Stand-alone
- Removable access panels side & rear
- Multiple wafer sizes for low & high profile cassettes
(Available wafer sizes are dependent upon product carrier type)
- Multiple rotor types: 4-bolt, quick-disconnect, Verteq
(1 rotor included per chamber)
- FM4910 Compliant Stainless Steel Cabinet
(Optional Powder Coated Cabinet)
- Door Style left, right or down opening
- Heavy duty poly door
- Acrylic door window
- Inflatable door seal
- 10 nozzle DI spray manifold
- Programmable set point for N2 heater & temperature monitoring
- Programmable bowl blanket heaters
- St Gobain pneumatic valve manifolds
(off the shelf parts from any St Gobain distributor)
- Brushless DC motor with encoder for RPM & position control
- Motor seal is Labyrinth seal design
- High resolution motor encoder
- Rotor upright uses encoder upright position with pneumatic lock
- IDX Flexware running on Win 7 PC
- PLC I/O interface
- 10.4" color touch-screen user interface
- Unlimited recipes
- Multi-level passwords & permissions
- EPO front & rear
- Door lock
- DI recirculation not required
(no stagnant DI present with current plumbing design)
- Auto rinse cycle
- Resistivity monitor
- Insitu Anti-stat management
- Host communications, factory automation
- Data logging
- USB back up
- CE compliant
- Operations manual provided in digital media
- 2 year warranty

Options:

- **Light tower**
- **Auto door**
- **Humidity sensor**
- **Chemical inject**
- **Custom chamber sizes**
- **Carrier designs**
- **Facilities boxes for DI and N2**

Facility Specifications:

Electrical :

- **USA 120 VAC 60 Hz, 13 FLA**
- **Japan 100 VAC 50 Hz , 14 FLA**
- **Europe 240 VAC 50 Hz , 8 FLA**

Facilities:

- **N2 - 1/2" O.D. @ 4-6 CFM, 30-35 PSI**
- **DI - 1/2" O.D. @ 1.5- 2 GPM, Max 25-30 PSI**
- **Drain Connection - 1" NPT**

Contact MEI

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Sales & Applications

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