

TRIDENT® SRD

Spin Rinse Dryer Systems for 75-200mm Substrates

ClassOne
TECHNOLOGY

MORE CAPABILITY • LESS COST • WET PROCESSING FOR THE REST OF US

Delivering advanced SRD performance through an array of innovative features

The Trident family of Spin Rinse Dryers (SRDs) from ClassOne Technology is all new equipment providing the state of the art in cleaning and rinsing wafers after wet processing — rapidly and efficiently removing residual chemicals and drying substrates completely without leaving water spots.

The systems' non-contact heating results in cleaner N₂ because it places a filter after the heater and eliminates direct contact between N₂ and heater. Trident SRDs also use ultra-pure valves and fittings throughout, and all systems include a comprehensive facility panel to precisely control all pressures and flows. These are typical of the design advances and efficiencies that give Trident its uniquely attractive performance-to-price value.

ClassOne's easy to use Trident SRD tools are available in bench-top and roll-around single-stack units and in dual-stack configurations, for processing up to 50 substrates per batch in sizes of 75mm to 200mm, depending upon the model, bowl size and rotor used.

Key Features

- Stainless Steel Cabinetry
- Negative-Pressure Motor Seal
- Non-Contact Ultra-Pure N₂ Heater
- Full-Control Facility Panel
- Door-top DC Ionizer
- Full Wrap-Around Bowl Heater
- PLC Control with Color Touch Screen

Major Benefits

- FM4910 compliance
- Much cleaner seal, reduced particles
- Cleaner N₂
- Precise control of flows and pressures
- Reduced particles
- Optimum drying performance
- All components readily available



Trident SRD
Single-Stack Tabletop



Trident SRD
Single-Stack Roll-Around



Trident SRD
Dual-Stack

IDEAL FOR: MEMS • LEDs • RF • POWER • EMERGING TECHNOLOGIES

TRIDENT™

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Trident SRD Standard Specifications

- Quick-Disconnect Rotor (single bolt)
- Rotors Included (customer selects size)
- LCD Color Touch Screen
- SK1600 Programmable Logic Controller (PLC)
- Direct Drive Brushless Motor
- All Stainless Steel Cabinetry
- Emergency Power Off (EPO), Front and Rear
- Foot Activated Door-Open Switch
- DI Water Recirculation
- N₂ Saver
- Resistivity Monitor Controller and Probe
- Data Logger
- Heater Alarm
- Overtemp Protection
- Ultra-Pure Teflon Pneumatic Valves, Pillar Fittings
- Drain-Trap Connection
- All Stainless Steel, Easy-Access Panels
- CE-certified

Options Available

- 50-Wafer Capacity Bowl (to fit 2 cassettes)
- Substitute SS Panel with FM4910 Material
- Light Tower with 3 Indicator Lamps R/Y/G
- Rear Display
- Bulk Mount
- Extended Warranty (2 years)



Ultra-Pure Non-Contact N₂ Heater



Facility Panel Controls All Pressures and Flows



Ultra-Pure Fittings and Valves



Emergency Power Off (EPO) Front and Rear

Models Available

■ 75mm-150mm Models

- 2600: Single Stack, Table Top Model
- 4600: Single Stack, Roll-Around Model
- 8600: Dual Stack

■ 75mm-200mm Models

- 2800: Single Stack, Table Top Model
- 4800: Single Stack, Roll-Around Model
- 8800: Dual Stack

Bowls Available

- Low Profile Bowl for 75-150mm Substrates
- Low Profile Bowl for 75-200mm Substrates
- High Profile Bowl for 75-200mm Substrates

*Trident is a trademark of ClassOne Technology

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