

TRIDENT® SST

Spray Solvent Tools for 75-200mm Substrates

ClassOne
TECHNOLOGY

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

These innovative SSTs utilize advanced circuitry and design to maximize performance and reduce cost

This Trident family is the next generation of batch-processing Spray Solvent Tools (SSTs) from ClassOne Technology. They deliver a cascade of solvent or rinse water with maximum efficiency to enhance process performance, reduce chemical consumption and minimize process time and particles.

These advanced tools also provide a suite of features that maximize operator convenience and control, such as a color touch-screen display, a fully-regulated facility panel, electronic flow meters, continuous-monitoring level sensors and more. The systems include the powerful Windows® 7-based Solaris™ controller as well as remote login, data logging, GEM/SECSII communications and reliability reporting.

Trident Spray Solvent Tool models are available for 75 to 200mm substrates — with one or two process chambers; two, four, six or eight heated chemical tanks; and a wide range of rotors.

Bottom line, Trident SSTs increase uptime and productivity while significantly reducing capital expense — with system pricing that is significantly lower than competitive spray solvent tools.



Trident Spray Solvent Tool

Key Features

- Advanced nozzle-free spraying
- One or two process chambers
- 2-, 4-, 6- or 8- tank models
- Wide range of rotors
- Windows®7-based Solaris controller
- Remote login
- Data logging
- GEM/SECSII communications

Major Benefits

- Significantly lower capital expense
- Maximized productivity
- Increased uptime
- Reduced chemical consumption
- Shorter process time
- Fewer defects
- Easier control and operation
- Available for 75-200mm substrates

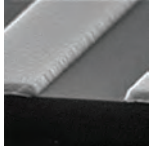
IDEAL FOR: MEMS • LEDs • RF • POWER • EMERGING TECHNOLOGIES

TRIDENT™

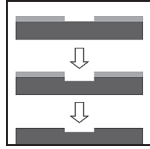
TRIDENT™

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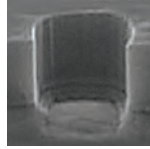
Trident SST Applications



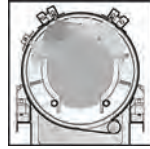
Metal
Lift-Off



Resist
Stripping



Polymer
Removal



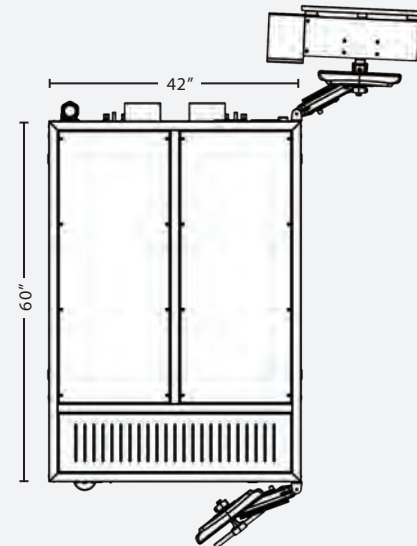
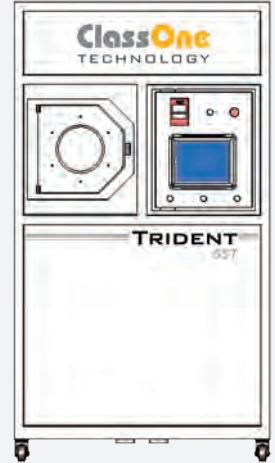
Substrate
Cleaning



Resist
Developing

Trident SST Standard Specifications

- Thoroughly proven Windows® 7-based Solaris™ controller
- 10.4" LCD Graphic 256-Color Display and Touch Screen
- Fully-Regulated Attached Facility Panel
- Continuous Monitoring Level Sensors
- Electronic Flow Meters
- See-Through Clear CPVC Front Door
- Mechanical Door Lock
- Up to 200mm Capability, includes Customer's Choice of Rotor
- Vibration-Free Modular Mounting System
- Cylindrical Domed-Bottom 5-Gallon Stainless Steel Tanks
- In-line Tank Heaters, Contact or Non-Contact
- Remote N₂ Non-Contact Modular Heater
- Adjustable N₂ Nozzles
- Recessed, Non-Obstructed DI Manifold
- Direct Drive Brushless Motor
- Emergency Power Off (EPO), Front and Rear
- Dynamic Rotor-Stop Positioner
- Choice of Pneumatic or Magnetic Coupled Pumps
- Pneumatically Operated Teflon Valves
- All Stainless Steel Cabinetry, Easy-Access Panels
- Integrated Fire Detection/Suppression System



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ClassOne Technology
109 Cooperative Way
Kalispell, MT 59901

tel: +1 (406) 407-7814
email: info@ClassOne.com
www.ClassOne.com

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