

Product Description

Semitool Spray Solvent Tool

SSTC742280

The Semitool Spray Solvent Tool (SST) is designed for a broad range of applications which require solvent or solvent based chemistries for processing. These include photoresist strip, photoresist developing, polymer removal, metal lift-off, and substrate cleaning.

Refurbished System includes:

- Cabinet: Stainless Steel, Thru-the-Wall, Class 1
 - Footprint: 96" W x 40" L x 71" H (See facilities drawing)
 - **Dual-Chamber Chemical Process**
 - **280 Bowl** (accommodates 8" substrate-low profile)
 - Encapsulated Ferrofluidic drive seal
 - Kalrez™ bowl seal
 - N₂ purged dedicated chemical and DI water spray manifolds
 - Dedicated TFE N₂ dry manifold
 - **302 graphic color controller**
 - Process variable control of RPM
 - Heated chemical temperature
 - Programmable time intervals
 - Programmable automatic abort rinse
 - Two quick-detachable electro-polished SS Rotors for customer specified carriers
 - **Brushless DC motor**
 - **CO₂ Fire Suppression**
 - Vertical automatic door with Pyrex window and PTFE seal
 - Aspirated bowl rim
 - **(7) Stainless steel round 6 gallon tanks with (4) external blanket heaters**
 - (7) Teflon™ Pneumatic Trebor or White Knight Pumps
 - Individual chemical and water drains
 - Programmable drain selection valve
 - PFA Teflon™ DI water, chemical, and N₂ handling system
 - Exhaust fume condenser for heated tanks and process chamber
 - WR-20A: DI water recirculation
 - EFS: Exhaust fail sensor
 - FFR: Fresh to fresh chemical recirculation
 - F-10U: 10" PFA or SS housing with .2 micron filter
 - FSV: DI facility shut off valve in event of CDA pressure loss.
 - TDLS: Tank drawer liquid level detector
 - TN2P: Nitrogen purge (low flow) of chemical tanks.
 - One standard and one clean room manual per tool
- On-site start-up and training included
(customer responsible for facility installations)

Available Options At Additional Cost

- **Chemical Delivery Module**
- **CO₂ Injection into DI water manifold**
- **Data Logging Software**
- **Extended Warranty – 1 Year**
- **ESEP-21 (Enhanced Semitool Electropolished Treatment)**
- **Funnel Fill**
- **Bottle Fill**
- **CE Upgrade**
- **Stainless steel tubing for chemical supply**
- **Waste Carboy w/ Pump**



(Photo for representation only)

Facility Requirements:

Supply / Electrical Connections

- Compressed Dry Air
1/2" od PFA Tubing, Flare End,
(60-70 PSI, 5-8 CFM)
- Nitrogen 3/4" od PFA Tubing,
Flare End, (40-50 PSI, 7-10 CFM)
- Tap water 1/2" od PFA Tubing, Flare End,
(20-30 PSI, 2-3 GPM, < 16° C)
- Deionized water 3/4" od PFA Tubing,
Flare End, (30-40 PSI, 3-4 GPM)
- Chemical Bulkfills
1/2" od SS Tubing, Swagelok (45 PSI maximum)
- Electrical Power (AC Voltage and Current
Requirements vary with Country and Options)
- Serial Connectors
(Remote, SECS: DB25 Style)

Drain / Exhaust Connections

- Unheated Chemical Exhaust
6" od SS Tube, (150 -175 CFM)
- Heated Chemical Exhaust
6" od SS Tube, (150-175 CFM)
- Electrical Cabinet Exhaust 4" od Tube, SS,
(75-100 CFM)
- Deionized Water Recirculation (3/8" od PFA
Tubing, Flare End)
- Tap Water Return (1/2" od PFA Tubing, Flare End)
- Chemical Drains (3/4" od PFA Tubing, Flare End)
- Industrial Waste Drain (3/4" od PFA Tubing, Flare
End)
- Tray Drains (1/2" od SS Tubing, Swagelok)
- Tank Drains (1/2" od SS Tubing, Swagelok)