

Product Description

Semitool Spray Solvent Tool

SSTC641280

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: 39" W x 78" L x 66" H (See facilities drawing)
 - **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
 - Quick-detachable electro-polished SS Rotor for customer specified carrier
 - **Brushless DC motor**
 - **CO₂ Fire Suppression**
 - Vertical automatic door with Pyrex window and PTFE seal
 - Aspirated bowl rim
 - **(6) Stainless steel round 6 gallon tanks with (4) external blanket heaters**
 - (6) Teflon™ Pneumatic Trebor or White Knight Pumps
 - Chemical Fill: Bulk
 - 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 (3/8" o.d. PFA Tubing, Flare End, 40-50 PSI, 3-5 CFM)
- Nitrogen (1/2" o.d., PFA Tubing, Flare End, 30-40-PSI, 4-6 SCFM)
- Tap water (3/8" o.d. PFA Tubing, Flare End, 20-30 PSI, 2-3 GPM, < 16 degrees C)
- Deionized water (1/2" od PFA Tubing, Flare End, 30-40 PSI, 2 GPM)
- Chemical Bulkfill (1/2" od SS Tubing, Swagelok)
- Electrical Power (Voltage and Current Requirements vary with Country and Options)
- Serial Connectors (Remote, SECS: DB25 Style)

Drain / Exhaust Connections

- Unheated Chemical Exhaust (6" od Tube, 100-125 SCFM)
- Heated Chemical Exhaust (6" od Tube, 150-175 SCFM)
- Electrical Cabinet Exhaust (4" od Tube, SS, 75-100 SCFM)
- Deionized Water Recirculation (3/8" od PFA Tubing, Flare End)
- Tap Water Return (3/8" od PFA Tubing, Flare End)
- Chemical Drain (3/4" od PFA Tubing, Flare End)
- Water Drain (3/4" od PFA Tubing, Flare End)
- Tray Drains, Chemical (1/2" od SS Tubing, Swagelok)
- Tank Drains, Chemical (1/2" od SS Tubing, Swagelok)