Product Description

Semitool Spray Solvent Tool SSTF221280

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 Freestanding
- Footprint: (See facilities drawing)
- **280 Bowl** (accommodates 8" substrate-low profile)
  - Encapsulated ferrofluidic drive seal
  - Kalrez™ bowl seal
  - N_2 purged dedicated chemical and DI water spray manifolds
  - Dedicated TFE N_2 dry manifold
- **202 graphic monochrome 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**
- **CO_2 Fire Suppression**
- Manual door
- **(2) Stainless steel round 6 gallon tanks with (2) external blanket heaters**
- Chemical Fill: Bulk
- (2) Teflon™ Pneumatic Trebor or White Knight Pumps
- Individual chemical and water drains
- Programmable drain selection valve
- PFA Teflon™ DI water, chemical, and N_2 handling system
- Exhaust fume condenser for heated tanks and process chamber
- WR-20A: DI water recirculation
- EFS: Exhaust fail sensor
- F-04U: 4" filter, SS housing with .2 micron TFE element on fresh and reclaim chemicals
- 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**
- **CO_2 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**

(Representative photo shown with auto door)

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 Drain, Chemical (1/2" od SS Tubing, Swagelok)
- Tank Drain, Chemical (1/2" od SS Tubing, Swagelok)

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