

Product Description

Semitool Centurium™ Series Spray Acid Tool

SATC12600

The Centurium Spray Acid Tool (SAT) is a volume production tool designed for flat panel display manufacturing. It supports acid processing, rinsing, and drying of substrates in a single process chamber. Processes include cleaning, metal etch and stripping.

Semitool's unique spray process technology provides improved process consistency, reduced chemical consumption and enhanced operator safety in a single, fully programmable platform.

This is a new system manufactured using both NEW and RESTORED components and built to Semitool OEM standards by Rhotech, Semitool's only authorized supplier of Semitool restoration and remanufacturing services.

Each System Includes:

- Cabinet: Polypropylene, Thru-the-Wall, Class 1
- Footprint: 59" W x 68" L x 72" H
- **2600 Bowl** (accommodates substrates up to 18" diameter, 15" square)
- N₂ purged dedicated chemical and DI water spray manifolds
- Dedicated TFE N₂ dry manifold
- **302 graphic color controller**
- Process variable control of RPM
- Rapid dry-to-dry configured
- Heated chemical temperature
- Programmable time intervals
- Programmable automatic abort rinse
- Data Logging available (Option)
- One inch thick Teflon™ (PTFE) chemical process chamber with nitrogen-purged labyrinth shaft seal, Teflon™ bowl seal, N₂ purged chemical tanks and DI water spray and heated N₂ dry manifold.
- Stainless Steel, Halar™ coated rotor to accommodate a process cassette for the chemical process chamber.
- **Brushless DC drive motor** with CDA purged housings to provide efficient operation with minimal particle release.
- **CO2 Fire Suppression**
- Combination of tanks, pumped cells, and or aspirated cells (defined by process requirements).
- AutoDoor
- Flaretek™ type fittings on all fluid line connections.
- 0.003 μ point of use N₂ filter for drying and chamber purge.
- Programmable drain selection valve.
- Individual chemical and water drains.
- PFA Teflon™ DI water and N₂ handling system.
- PTFE air articulated valves for chemicals, DI water and N₂.
- Automatic DI water shut off valve in case of CDA loss.
- Painted stainless steel frame and polypropylene cabinet.
- One standard and one clean room manual per tool.
- On-site start-up and training. *(Customer responsible for facility installations).*

Available Options At Additional Cost

- **CCPFA - Cooling Coil**
- **Chemical Delivery Unit**
- **Hot DI Water Heater**



Semitool Centurium 2600

Facility Requirements:

Supply / Electrical Connections

Power Connection:

Voltage and current varies with country
3 Phase Power Required,
Consult factory for specifics
Controller Serial Connections: DB-25 Style

Supply

- Nitrogen Supply
(25-30 CFM at 40 PSI) 3/4" OD Tubing, Flare End
- Compressed Air (CDA) Supply
(10-12 CFM at 60 PSI) 3/4" OD Tubing, Flare End
- City Water Supply
(3-4 GPM at 30 PSI) 3/8" OD Tubing, Flare End
- DI Water Supply
(7-9 GPM at 30 PSI) 3/4" OD Tubing, Flare End
- Hot DI Water Supply
(7-9 GPM at 30 PSI) 3/4" OD Tubing, Flare End

Exhaust

- Electrical Exhaust (50 CFM) 2" Pipe
- Fume Exhaust, Cabinet (100-150 CFM) 4" Pipe
- Fume Exhaust, Tank/Chamber (100-150 CFM) 4" Pipe

Drains

- Water Drain, 1.5" CPVC Pipe
- Chemical Drain, 1.5" CPVC Pipe
- DI Water Return (Adjustable) 3/8" OD Tube
- Hot DI Water Return (Adjustable) 3/8" OD Tube
- Cabinet Drain, 1" CPVC Pipe

RHETECH INC.
A Semitool Company