



Spray Solvent Tool (SST) Restoration Plan

*Rhotech is Semitool's only authorized supplier of Semitool restoration services. Rhotech SST restoration programs **reduce cost of ownership** by improving reliability, productivity and operating life.*

Process Chamber

- Electropolish bowl
- Install **NEW** adapter seal assembly
- Inspect and clean nozzles, replace nozzle seals
- Install **NEW** Kalrez® bowl seal
- Install **NEW** N₂ filters
- Install **NEW** motor
- Install **NEW** ferrofluidic seal
- Install **NEW** N₂ heater elements

Flow Meters

- Clean and inspect for leaks
- Inspect O-rings and replace if necessary

Door

- Inspect for warpage*
- Rebuild door piston mechanisms*
- Replace seals and rebuild door plug

Electronics

- Recalibrate and adjust power supplies
- Recalibrate and adjust liquid level sensors
- Recalibrate and adjust motor controllers

Additional Items

- Clean cabinet and frame; replace badly corroded parts and fittings
- Final test through Rhotech's quality

Tanks

- Clean and rebuild pumps*
- Clean & inspect for leaks; electropolish
- Install **NEW** sight gauge
- Install encapsulated glass floats
- Replace 2000w Teflon® immersion type heaters or external blanket heaters and thermocouples

Supply, Drain Valves and Tubing

- Inspect and replace o-rings and valve seats
- Chemical supply tubing: decontaminate SS tubing; or replace Teflon® tubing
- Rebuild and replace poppets
- Test

Process Chamber Rotor

- Balance and electropolish



Notes:

**If these items cannot be repaired, replacement will be quoted separately.*

A Level 1 Decontamination must be performed on all tools prior to shipment or be subject to a \$7500.00 charge.

All O-rings covered under this restoration are replacements of standard OEM parts.

Any additional repairs, upgrades, and configuration changes quoted separately.