



## Equinox ECD Plater Restoration Plan

*Rhetechnology is Semitool's only authorized supplier of Semitool restoration services. Rhetechnology Equinox restoration programs **reduce cost of ownership** by improving reliability, productivity and operating life. Restoration begins with tool power-up and evaluation at Rhetechnology followed by a Level 2 Decontamination\*. Other work includes:*

### Process Chamber

- Clean & decontaminate plastic chambers & related components
- Electropolish SS chambers & related components
- Install **NEW** ring or cantilever contacts
- Install **NEW** SRD N2 heater element

### Flow Sensors\*

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

### Electronics

- Test & recalibrate power supply
  - Recalibrate and adjust power supplies
  - Recalibrate and adjust liquid level sensors
- Note: Monitor screens are not covered by the Rhetechnology Restoration Warranty. Consult Rhetechnology on available upgrades.*

### Lift & Rotate Assemblies

- Tear down and inspect
- Rebuild, clean, recalibrate and test

### Additional Items

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

### Tanks and Pumps

- Clean & decontaminate plastic tanks & related components
- Electropolish SS chambers & related components
- Clean and rebuild pumps\*\*
- Install **NEW** sight gauge
- Install encapsulated glass floats
- Replace external blanket heaters and thermocouples on SS tanks

### Supply, Drain Valves and Tubing

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

### Wafer Handling Robot\*\*\*

- Calibrate and test
- Replace and rebuild as required (Option)



### Notes:

\* A Level 1 Decontamination must be performed on tools prior to shipment to Rhetechnology or be subject to a \$7500 charge.

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

\*\*\* Not covered under restoration warranty unless rebuilt.

All O-rings covered under this restoration are replacements of standard OEM parts. Any additional repairs, upgrades and configuration changes quoted separately.