

Lam Research TCP 9600

Features

- Low Pressure Operation
- High Density Plasma
- Independent Control of Ion Density and Ion Energy
- Patented Planar Coil
- Simple Efficient Design
- Rainbow Platform
- Precise CD Control with minimal profile micro loading
- High Etch Rates
- Wide Process Window, Minimal micro-loading and damage
- Uniform Etch Rate and Ion Current Density
- Ease of Maintenance, Low Cost of Ownership
- Production Proven, High Reliability
- System Reliability

1. Uptime Typically >85%
2. MTTC 12 Hours
3. MTBF > 125 Hours
4. MTTR < 4 Hours

Typical Results:

- Al Etch Rate > 8000Å/min
- Al Non-Uniformity +/- 15%



The Rainbow TCP 9600 Standalone System is a single wafer, vacuum load-locked low pressure metal etch system. Semigroup Equipment Sales provides a customized (to your specifications) totally refurbished Rainbow TCP 9600 Metal Etch Plasma Reactor that is fully tested at our facility. Upgrades included are wafer size conversions, (150mm, 200mm etc.) Electrostatic Chuck Upgrades, Computer Upgrades and more.

SemiGroup offers a complete array of options and expertise when supplying Plasma Etch Equipment to our clients. We also provide Total Refurbishment

Services for your existing Plasma Etch Equipment. We will refurbish all assemblies, clean and re-range all your Mass Flow Controllers, recondition all chambers and load locks, replace all o-rings and seals to return the equipment to original OEM Specifications. Your machine will go through a rigorous Plasma "On" Wafer Marathon to ensure complete functionality before we ship your tool. Any required peripheral equipment will now also be fully checked out (Pumps, Chillers, RF Carts, Cabling etc) before being shipped.

Finally Semigroup will Startup and Install your newly refurbished etcher completing our "Turn-Key" Premium Client Service. We also have our own line of consumable parts we will supply with your newly refurbished tool.