

## **TECHNICAL SPEC FOR Spray system**

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**System Model:** Serial number: 0107-0511-1297

**FSI Mercury**

**Model:** FSI Mercury MP CE Type

**Standard or dual exhaust:** Stainless steel, Halar coated exhaust with process exhaust monitoring

**Wafer size:** 6inch

**Chemicals used:**

- Canister console one with:
  - Canister H<sub>2</sub>SO<sub>4</sub>
  - Canister HCL
  - Canister HF
- Canister console two with:
  - H<sub>2</sub>O<sub>2</sub>
  - NH<sub>4</sub>OH
- Canister console exhaust monitoring installed
- 2 x paddlewheel flow pick up (H<sub>2</sub>SO<sub>4</sub> & DIMIX), 4x electronic flowpickup (HCL, HF, H<sub>2</sub>O<sub>2</sub> and NH<sub>4</sub>OH)

**Turntable style:** 6" Turntable with 6 positions

240V operation

**Motor and motor speed controller:**

- LC4CP11001 motor controller PN: 3690-01678
- Brushless Servomotor Pacific Scientific PN: 409244-003

**Booster pump:** Not installed

**Helios:** HELIOS 400VAC 52KW

**IR Heater:** Not installed

**Ti T/C's:** TC's installed in Helios heater. Do not know if those are Titanium TC's?

**Vertical lift kit:** No lift installed

**Center SP etch probe:** Dual etchprobe installed

**SBSP:** Sidebowl spraypost installed

**S BSP Etch probe:** Not installed

**Manifold type:** Single manifold with 6 flow controllers installed

**Recirculation:** No recirculation installed

**Photohelic monitor:** Photohelic process exhaust monitoring and canister exhaust monitoring

**MHS:** Unknown for me

**Dual canister rotary board:** Unknown for me

**Autofill:** Autofill option installed

**Direct feed:**

**Process applications:** Equipment was used for RESIST STRIPPING, RCA clean and SALICIDE WET ETCH. Particle performance and process SPC tests where in control.

**SECS:** SECSII communication installed

**Vintage:**

**Missing parts:** none

**Defected parts:** none

**Software:** 9.11

**Operating system:** 486 CPU PCB

### **Photos to Collect**

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- All 4 sides
  - Process console
  - Electronic console
  - Canister console
- Control panel
- Turntable
- Inside all cabinets (boards, electronics and chemicals)
- Serial plate

- Spare parts, manuals (if any)