Applied Materials Centura Configuration Report

Etch Centura

-
- 200mm SNNF Centura I Mainframe
- 208 50/60hz Centura Controller
- System Controller
- Narrow body loadlocks 0010-75005
- HP robot with metal blade
- Transfer chamber lift
- Endpoint with four monochromators (not mounted)
- Smoke and water leak detect
- Independent Helium cooling
- Seriplex Gas Panel with top feed exhaust
- Seriplex match control
- Wafer mapping
- Wafer on blade sensors
- Umbilicals

Remote Equipment

- RF Rack with configured generators o Advanced Energy RFG/AZX Control x1 o Advanced Energy RF-20RWC x2 o ENI OEM 12B-02 x2 o ENI OEM 12B3 x1 o Osaka TD2000 turbo controller
- Neslab HX150 with heater control x2
- Neslab HX150 without heater control x1
- Edwards IH80 pumps x3
- Alcatel ADP 81 pumps x2

Chamber A DPS R0 Poly

- 0020-33807 Lower Chamber wall, DPS Poly
- 0240-37687 Upper Chamber DPS Poly
- 0010-36390 DTCU
- 1110-01043 Source RF match AZX 90
- 0010-36114 Bias Match
- Dual manometers with .1Torr and 10Torr heads
- 0010-36908 Throttle valve
- Backside Helium cooling
- 200mm cathode
- Osaka TG2003M Turbo

Chamber B: Poly Etch

- Mark II 3 piece chamber
- Mark II shields
- MxP magnets

- ESC cathode
- Phase IV RF match
- 0010-09033 HV module
- Standard butterfly throttle valve 0010-09019
- Alcatel 5402 CTS Turbo
- Helium cooling

Chamber C: Poly Etch

- Uni-body chamber
- MxP shields
- MxP magnets
- ESC cathode
- Phase IV RF match
- 0010-09033 HV module
- Standard butterfly throttle valve 0010-09019
- Alcatel 5402 CTS Turbo
- Helium cooling

Chamber D DPS R1 Metal/Deep Trench Etch

- 0021-09625 Lower Chamber Wall
- 0010-38754 HR DTCU
- 1110-01063 Source RF match, AZX-90 Upgrade
- 0021-09601 upper chamber
- ATL100RA Bias match
- Dual Manometers with .1Torr and 10Torr heads
- VAT Throttling Gate Valve
- Heated pump stack
- Backside Helium cooling
- 200mm cathode with SNNF ESC
- Alcatel ATH 1300M turbo

Chamber E

- Wafer orienter
- 200mm Lift hoop 200mm Pedestal
- Laser
- CCD array

Chamber F

- Wafer orienter
- 200mm Lift hoop 200mm Pedestal
- Laser
- CCD array

\

Description:

Other Parts Included:

- RFPP LF10 Generator
- Upper Chamber Assembly 0021-01421
- Alcatel turbo controllers for 5402 turbo x2
- Alcatel 1300M/1600M turbo controller
- DPS ESC controller