

TECHNICAL SPEC FOR Etch tool

System Model: **LAM RAINBOW XL**

LAM Rainbow 45xx series

Specific model: **4526 XL**

Process: **Oxide Etch**

Wafer size: **150 mm**

Wafer type: **Jeida flat**

Valve type: **VAT65**

ESC: **Yes**

Bulkhead:

Monochromator Endpoint: **Yes**

Software: **Envision 1.6.1-005**

RF: **ENI-GHW50**

ENI-2MHz

Cart: **RF cart**

Iso module: **No**

AC box: **-002 (breakers)**

Gas and process configuration for

- Chamber (1)

Ar	485,0 sccm
CF4	20.0 sccm
CHF3	20.0 sccm
C4F8	19,5 sccm
CO	200.0 sccm
O2 LOW	20.0 sccm
O2 HIGH	1000.0 sccm
N2	100.0 sccm

Robot type: [Harmonic Drive](#)

Loader type: [Hine indexers 38A](#)

Loadlock: [Entrance and Exit LL](#)

Turbo pumps: [HGP pump](#)

Controllers: [HGP pump controller](#)

[VAT 65 controller](#)

Gas box:

AC Rack: [Yes \(Local power box\) in basement](#)

SW Version:

Vintage: [rb24213](#)

Missing/defective parts: [None](#)

Photos to Collect

- All 4 sides
- Robot

- Loader
- Gas lines
- Gas box
- Close up from chamber
- Turbos and Pumps on each process module
- Controllers
- Electrical cabinets
- AC Rack
- Gas in/outlets
- Electrical in/outlets
- Chiller
- Serial plates of all chambers
- Serial plate of Mainframe
- Serial plate of each pump
- Spare parts, manuals (if any)