

TECHNICAL SPEC FOR Etch tool

System Model: **LAM RAINBOW XL**

LAM Rainbow 45xx series

Specific model: **4528 XL**

Process: **Oxide Etch**

Wafer size: **200 mm**

Wafer type: **Notch**

Valve type: **VAT65**

ESC: **Yes**

Bulkhead:

Monochromator Endpoint: **Yes**

Software: **Envision 1.6.1-005**

RF: **Paramount Plus VHF3027**

Paramount Plus MF5002

Cart: **RF cart**

Iso module: **No**

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

Gas and process configuration for

- Chamber (1)

Ar	500 sccm
CF4	97 sccm
CHF3	104 sccm
C4F8	20 sccm
	sccm
O2 LOW	20.0 sccm
O2 HIGH	1000.0 sccm
N2	100 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: [rb3436](#)

Missing/defective parts: [None](#)