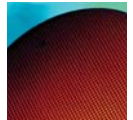




GaSonics Aura 2000-LL Photoresist Asher Single Wafer

The GaSonics Aura 2000-LL Asher is a single wafer load locked system, designed to address the demands for ultra clean, damage free photoresist removal. This system utilizes proven components of the Aura 1000 system including a highly reliable downstream microwave process.



Features

- 6-8-inch process capabilities
- Load lock with cool-down station
- Water-cooled chamber and lamp assembly
- Adjustable power to lamps
- Gas box, designed to hold four MFC's
- Downstream endpoint detection
- Rear access with control panel for servicing
- Throughput: 20 to 40wph, depending on process parameters
- Through-the-wall, or Flush-Mount configuration
- Programmable microprocessor
- Automatic wafer loader/unloader
- Main Control Panel

Applications

- Bulk resist removal
- High-dose implanted resist
- Descum
- Non-oxidizing metal ash processing



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Process Specifications

Typical Process Parameters

Pressure	1.25 to 3.5 torr
Gas Flow O ₂	3.0-4.5 SLPM
Gas Flow N ₂	0.30-.45 SLPM
Lamp Time (variable)	15-30 sec.

Typical Process Results

Strip Rates	1.0-3.0 μ /min. for 8" wafer 1.6-4.0 μ /min. for 6" wafer 1.6-4.0 μ /min. for 5" wafer
Uniformity	$\leq \pm 10\%$ for all wafer sizes
Repeatability	$\pm 10\%$ (w-t-w)
Throughput	≥ 40 wph for 1.2 μ PR
Particle Control	$\leq .1$ p/cm ² > 0.3 μ in size
Damage Control	≤ 0.1 volt CV-shift for 250 \AA oxide
Selectivities to Underlying Films	>1000:1

Dimensions

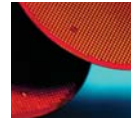
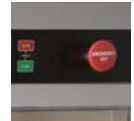
Stripper	L=60" W=39" H=72"
Pump Cart	L=37" W = 31" H=37"

Utilities

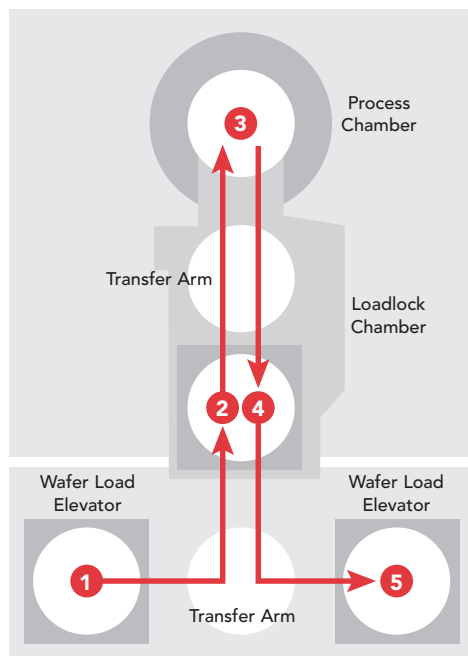
Vacuum (pumps)	main chamber 165 cfm, load lock 15 cfm
Cabinet Exhaust	>200 cfm
Process Gases	2(4) MFC's
Electrical Requirements	208V, 3 phase, 60 Hz 40A
Coolant	1 gallon/minute

GaSonics Aura 2000-LL Photoresist Asher

75-150 Millimeter



Plan View



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