

APPLICATIONS:

- ➔ Complete erasing of charges of EPROM and Flash memory.
- ➔ UV Curing and Hardening.
- ➔ Removal of stress induced due to manufacturing processes.

FEATURES:

- Fully Automated UV Eraser System For 150mm and 200mm Wafers
- High Power UV lamp with intensity 60 mW/cm²
- Wafer Robot Handling
- Statistical Process Control
- Multi-wafer UV Chamber with high throughput
- Input/Output - Cassette or LPT LoadPort
- SECS/GEM compliance
- OCR - Optical Character Reader 1741
- Cassette to Cassette Transfer (AER 682)
- Wafer aligner & OCR (Option) (AER682)

AER681/AER682
WAFER UV ERASER SYSTEM



AER681/AER682 WAFER UV ERASER SYSTEM

SPECIFICATIONS

WAFER SIZE / WAFER THICKNESS

6" and 8" / 8 mils min. (Thickness)
Small conversion from 6" to 8"

CONFIGURATION

Single Input/Output cassette
Rotary table with 6 wafers

WAFER HANDLING ROBOT

Single Arm Robot – 3 Axis

WPH

71 wafers per hour @ 3.5 minutes cure time

UPTIME

≥99%

COMMUNICATION

RS232
SECS/GEM (optional)

SAFETY STANDARD

SEMI S2-S8 (optional)
CE compliant (optional)

SAFETY/EMERGENCY FEATURES

Auto UV lamp shut-down at end of every cassette and/or 30 minutes of inactivity
Thermal protection of UV power supply
Online radiometer reading
Online detect lamp intensity shutdown if lamp fail

DIMENSION & WEIGHT

1124mm (L) x 1272mm (W) x 1606mm (H) (apprx.)
700kg apprx.

UV CHAMBER

4 units 12" x 12" grid, 60 mW/cm² @ 1 inch
UV lamp life 3,000 hours

CARRIERS

Fluoroware H-Bar 6" and 8" cassette
or other manufacturers

LOADPORT (OPTIONAL)

Design to integrate loadport (LPT)

STATISTICAL PROCESS CONTROL

Chamber temperature monitoring
UV lamp life monitoring
Cooling & exhaust monitoring

MAN MACHINE INTERFACE

Graphical base driven with English/Chinese language selectable
15" LCD monitor, keyboard & mouse
Error Reporting
Lot Management

CLEANLINESS

Class 10,000

CONTROL

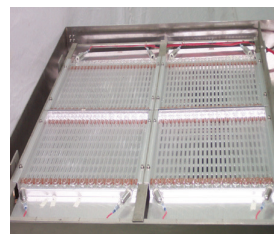
PC based control with UPS back up

FACILITY

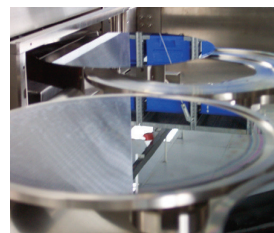
Single phase, 230VAC, 50/60Hz, 20A
72.5psi (5 bar), CDA
Exhaust : to factory exhaust outlet via flexi-hose
Vacuum : 25 inch Hg, from customer factory source



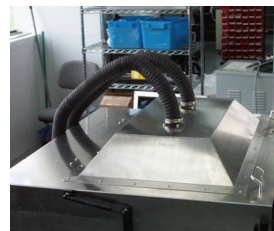
ONLINE CHAMBER TEMPERATURE MONITORING



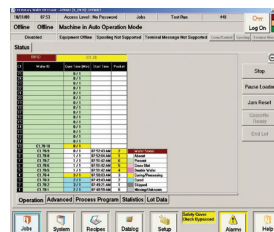
HIGH INTENSITY 65 W/CM2 UV LAMP



WAFER ROBOT TO MULTI-WAFER CHAMBER



COOLING & EXHAUST AIR MONITORING



WINDOW & MENU BASED MMI



HEADQUARTER

CEI Limited

2 Ang Mo Kio Ave 12 Singapore 569707
Tel : (65) 6481 1882 Fax : (65) 6481 3293
Website : www.cei.com.sg

Sales Agent :