

自動無塵/無氧烤箱

c sun

Clean & Inert Gas Auto Oven

HQMOL-A12



- | Comply with SEMI S2 certification
- | High class level for clean-room
- | Fast thermal control capability
- | Excellent thermal uniformity
- | SECS/GEM
- | CIM system

Leading in Thermal and UV Light Processing Equipment



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Wafer handling	Handling : 300 & 301mm Thickness : 600~1500um (max.) Warpage : +/- 450um Weight : 230~250 g
LoadPort	12" FOUPs LoadPort : 2 sets Mapping 、RFID SEMI standard compliance : E15.1-0600 、E57-0600 、E62-0302A 、 E63-0600 、E64-0600 Applicable FOUPs : 300mm FOUPs (using 25 wafers) SEMI E47.1/E62 compliant
Transfer robot (dual arm)	Double arm 1 slots / arm Maximum portable mass : 2.5kg X axis : 540mm/ axis : 700mm End-effector : ceramic Wafer placement detection : vacuum pressure sensor
Cassette (oven)	Material : Aluminium Surface treatment : F-base coating for preventing scratches on wafer Capacity : 50 pcs (12" wafer) / chamber Pitch : 12mm
Oven performance	Temperature (normal) : 180°C Temperature (max.) : 350°C Temperature U% : $\pm 3^{\circ}\text{C}$ Heating rate : 70°C $\rightarrow$ 180°C (≤ 25 min.) Cooling rate : 180°C $\rightarrow$ 70°C (≤ 1 hrs)
Oven (oxygen concentration)	≤ 100 ppm
Particle environment	1um ≤ 80 ea or class100
Equipment size/ weight	2,170mm(L) $\times$ 2,460mm(W) $\times$ 2,500mm(H) / 3,000kg
Utility requirements	Power : AC220 V ; 3 ϕ 60Hz CDA : >5 kg/ cm ² ; 150+350L/min N2 : >5 kg/ cm ² ; 450L/min PCW : 18 ~ 22°C ; >5 kg/ cm ² ; 30L/min Vacuum : -560mm-Hg ; 40L/min
Temperature control	PID control + S.C.R. driving
Monitor type	PC base

Due to C SUN continuing efforts to improve their systems, these specifications are subject to change without notice.
受長期研發需要，本公司保有規格修改之權利，恕不另行通知

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