

Cure Oven, 2-chamber type

 Yamato

Forced Convection

Model **YS-AT-002**

Purpose : Adhesion hardening of the chip

Operating Temperature Range

40°C~260°C

Temp. Distribution Accuracy

±3°C (at 175°C)

Temperature Rise Time

15 min. (50→175°C)

Cooling Time

30 min. (175→50°C)

Internal Capacity

188 ℓ × 2

 Exhaust Port



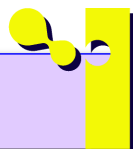
YS-AT-002

 Control Panel



 Inner View





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Forced Convection

Specifications

Model	YS-AT-002 (2-chamber type)	
■ Performance		
Method	Forced air circulation type	
Operating temperature range	40~260℃	
Temperature uniformity	±3℃(at 175℃)	
Temperature rise time	15 min.(50℃→175℃)	
Cooling time	30 min.(175℃→50℃)	
■ Configuration		
Outer casing	Cold-rolled steel sheet with melamine resin baked-painting	
Inner casing	Stainless steel sheet SUS304	
Insulating material	Glass wool	
Door	Single swing door (with solenoid door lock function)	
Temperature controller	High performance program controller UP550, mfd. by Yokogawa Electric (connected to UPS)	
Temperature sensor	Thermocouple type K (5 points with sensor guard)	
Heater	Stainless steel pipe heater with fin, 9kW for the each chamber	
Motor	Capacitor motor 200W × 2	
Exhaust port	φ 75mm (with volume damper)	
N2 gas inlet	φ 8mm tube connector (with 100 ℓ /min. flow meter and solenoid valve)	
Temperature recorder	One pen hybrid recorder μR1000, mfd. by Yokogawa Electric (connected to UPS)	
Signal tower	Green— Operation mode, Yellow— Standby mode, Red— Error mode (with alarm)	
Bumper	3/4 inch stainless steel pipes	
Emergency stop switch	When set to ON, it stops system operation completely	
■ Functions		
Operating function	Programmed operation (max. 99 segments, 30 patterns)	
Security function	Password protected parameter change lock, and operation cover key lock type	
Temperature timer function	Counting done only within a range of the set point ±5℃	
External communication function	RS-485 interface	
■ Safety mechanisms		
	Over current breaker Error indicator lamps and alarm (set temperature deviation error, overheat error and fan error) Solenoid door lock Over temperature protector (O.T.P) Emergency stop switch	
■ Standard		
External dimensions(W × D × Hmm)	1,495 × 825 × 1,965	
Internal dimensions(W × D × Hmm)	580 × 650 × 500 (× 2 chamber)	
Internal capacity	Approx. 188 liters (× 2 chamber)	
Shelf load capacity	50 kg/shelf	
Shelf material	Stainless steel, 2stages	
Power source (50/60Hz)	3 phase AC220V 60A AC400V 35A	
■ Accessories		
	Warranty	1 copy
	Operation manual	1 copy
	Recording paper	4 boxes