

Cure Oven, 2-chamber type

YS-AT-002

Operating Temperature Range	40deg.C to 260deg.C
Temp. Distribution Accuracy	±3deg.C (at175deg.C)
Temperature Rise Time	15 min.(50 --> 175deg.C)
Cooling Time	30 min.(175 --> 50deg.C)
Internal Capacity	188 L × 2

YS-AT-002 is a customized cure oven which has the 2-chamber with internal capacity (188L) per chamber.

- For BGA/Flip Chip packaging cure process.
- Each chamber has individual controller with good uniformity with LOAD.

Exhaust Port



Control Panel



Inner View



Specifications

YS-AT-002 (2-chamber type)	
■ Performance	
Method	Forced air circulation type
Operating temperature range	40 to 260deg.C
Temperature uniformity	±3deg.C (at 175deg.C)
Temperature rise time	15 min.(50deg.C --> 175deg.C)
Cooling time	30 min.(175deg.C --> 50deg.C)
■ Configuration	
Outer casing	Cold-rolled steel sheet with melamine resin baked-painting
Inner casing	Stainless steel sheet
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	φ75mm (with volume damper)
N2 gas inlet	φ8mm tube connector (with 100L/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 ±5deg.C
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 L (×2 chamber)
Shelf load capacity	50 kg/shelf
Shelf material	Stainless steel, 2 stages
Power source (50/60Hz)	3 phase AC220V 60A AC380V 35A
■ Accessories	
	Warranty 1 copy Operation manual 1 copy Recording paper 4 boxes