

Customized Cure Oven

YM-AT-101

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

200 L

Cure for BGA/CSP (PBGA/CABGA/LFBGA/SBGA/ TABGA/FlipChip) manufacturing process.

- Expandable and detachable
- Saving space in factory
- Can select number of ovens
- Easy maintenance
- Expandable and detachable



Interior



Specifications

YM-AT-101	
■ 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 type (with solenoid door lock function)
Temperature controller	High performance program controller UP550
Temperature sensor	Thermocouple type K (5 points, with sensor guard)
Heater	Stainless steel pipe heater 1.5Kw×6/chamber
Motor	Capacitor motor 200W
Exhaust port	φ75mm (with volume damper)
Temperature recorder	One pen hybrid recorder μR1000
Rack	Cold-rolled steel sheet with melamine resin baked-painting
Options	Signal tower : Green---Operation mode, Yellow---Standby mode, Red---Error mode (with alarm) Bumper : 3/4inch stainless steel pipe Emergency stop switch : When set to ON, it stops system operation completely ESD : 2pcs on Control panel N2 gas inlet : φ8 tube connector (with 100 liter/min flow-meter and solenoid valve) O2 analyzer port : R1/4 pipe thread (female)
■ Functions	
Operating function	Programmed operation (max. 99 segments, 30 patterns)
Security function	Password protected parameter change lock, and key lock type operation cover
Temperature timer function	Counting done only within a range of the set point ±5deg.C
Options	External communication function : RS-485 interface Hour Meter : 0 to 9999.9h (with reset function)
■ Safety mechanisms	
	Over current breaker (each chamber) Error indicator lamps and alarm (set temperatue deviation error, overheat error, fan error) Solenoid door lock Over temperatue protector (O.T.P)
Option	Emergency stop switch
■ Standard	
External dimensions(W×D×Hmm)	1,020×1,435×850
Internal dimensions(W×D×Hmm)	580× 650×580
Internal capacity	Approx. 220 liters
Shelf load capacity	20 kg/shelf (Option : 50kg/shelf)
Shelf material	Stainless steel (2 stages)
Power source (50/60Hz)	3 phase, AC 220V, 30A/chamber 3 phase, AC 400V 15A/chamber
■ Accessories	
	Warranty 1 copy Operation manual 1 copy Recording paper 4 boxes