

**Cure Oven, 4-chamber type****YB-AT-003**

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 × 4

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

- Expandable and detachable.
- Saving space in factory.
- Oxygen exchange rate is under 100 ppm level for inlet.
- Can select number of ovens.
- Easy maintenance.
- Cooling time (175deg.C to 50deg.C)-Less than 30min for inert.

**Control Panel****Back View**

Vertical 2-chamber type



Single swing door (upper) and automatic drawer door (lower) type

## Specifications

<b>YB-AT-003 (4-chamber type)</b>	
<b>■ Performance</b>	
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)
<b>■ Configuration</b>	
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)
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×4
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
<b>■ Functions</b>	
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
<b>■ Safety mechanisms</b>	
	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
<b>■ Standard</b>	
External dimensions(W×D×Hmm)	2,060×1,025×1,940 (excluding projections as a motor, handle, etc.)
Internal dimensions(W×D×Hmm)	580×615×580 (×4 chamber)
Internal capacity	200 liters (×4 chamber)
Shelf load capacity	20 kg/shelf (Option : 50 kg/shelf)
Shelf material	Stainless steel, upper 2 stages, lower 1 stage
Power source (50/60Hz)	3 phase AC220V 120A AC380V 55A
<b>■ Accessories</b>	
	Warranty 1 copy Operation manual 1 copy Recording paper 4 boxes