

# Cure Oven, 4-chamber type

**Yamato**

Forced Convection

**Model YB-AT-003**

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

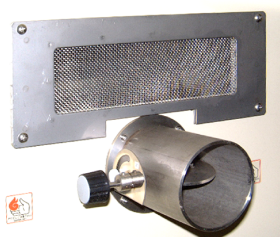
200 ℓ × 4

**Control Panel**



YB-AT-003

**Exhaust Port**

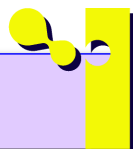


**Back View**



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

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# Cure Oven, 4-chamber type

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Forced Convection

## Specifications

Model	YB-AT-003 (4-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)		
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	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 μ R1000, 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)	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 AC400V 55A		
■ Accessories			
	Warranty	1 copy	
	Operation manual	1 copy	
	Recording paper	4 boxes	