

Inert Cure Oven

YI-AT-100/001/002

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	166 L / chamber

**Cure for BGA/CSP
(PBGA/CABG/LFBGA/SBGA/TABGA/FilipChip)
manufacturing process.**

1-Chamber inert cure oven (YI-AT-100), 2-Chamber inert cure oven (YI-AT-001), 3-Chamber inert cure oven (YI-AT-002)

- Oxygen exchange rate is under 100 ppm level.
- Total operating controlled by PLC.
- Built in original (Unique) cooling system
- Each chamber has individual controller with good uniformity with LOAD.
- Available for perfect uniformity of LOAD sample.



■ Vertical type 2-chamber Inert cure oven

Inner View



■ Original cooling coil system

Specifications

YI-AT-100/001/002	
■ 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 with products loading)
Cooling time	30 min.(175deg.C --> 50deg.C)
■ Configuration	
Exterior material	Cold-rolled steel sheet with melamine resin baked-painting
Interior material	Stainless steel sheet
Heater	Stainless steel pipe heater with fin, 9kW for the each chamber
Motor	Capacitor motor 200W
O2 analyzer port	R1/4 pipe thread (female)
N2 gas inlet/CDA inlet port	I.D.8mm tube connector (with 100ℓ/min. flow meter)/O.D.8mm tube connector
■ Controller	
Temperature control	High performance program controller UP550
Temperature seisor	Thermocouple type K (5 point with sensor guard)
Temperature recoeder	One pen hybrid recorder μR1000 (Programmed operation (max. 99 segments, 30 patterns)
Signal tower	Green--Operation, Yellow--Standby, Red--Error with alarm
Emergency stop switch	When set to ON, it stop system operation completely
Program details	Max. 99 segments, 30 patternes
■ Standard	
Internal dimensions(W×D×Hmm)	550×550×550/chamber
Internal capacity	Approx. 166 liters/chamber
Water inlet/outlet port	O.D. 1/2 inch tube fitting
Power source (50/60Hz)	3 phase AC220V/380V
■ Communication	
External comunucation function	RS-485 interface