



Post Filling Clean Conveyor Oven



Model

YY-384

Operating Temperature Range

60°C ~ 150°C

Temp. Adjustment Accuracy

±5°C (at 150°C)

Degree of Clean

Class 100

Conveyance Speed

0.85min/170mm ~ 3.5min/170m

Total Process Time

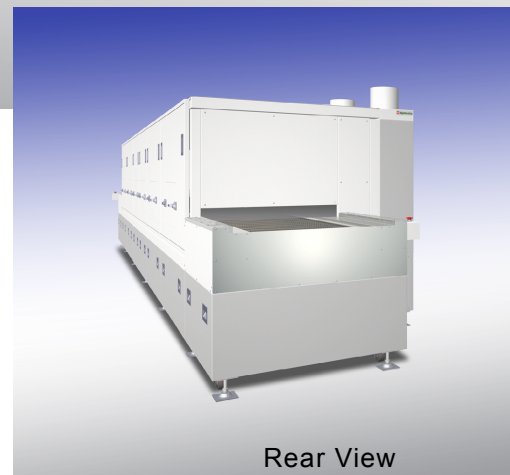
30 ~ 120min

Equipment Summary

This equipment is used for continuous heat-treating for the cassette which carried the liquid crystal (LCD) cell under the CLASS100 clean condition.

This equipment consists of a stainless steel mesh conveyor system which enables connection and continuation conveyance of a cassette, and a whole control system in the main part equipment which have 4 temperature control zones which make proper curing possible, and these zones.

Moreover, the clean cure system by which the environment of the degree CLASS 100 of cleanness is acquired on a conveyor is adopted.



Rear View

Control panel





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Specifications

Model	YY-384
System	
Temperature control	Compulsion hot wind down blow method by heater 4 zone Individual control system (1) Full power heating zone (2) Cure heating zone (3) Controllable cooling zone (4) Full cooling zone
Clean degree	Class 100 by the low pressure lose HEPA filter CLASS 100
Work conveyance	Intermittent processing method by a clean mesh conveyor
Performance and Condition	
Operating temperature range	60°C to 150°C
Temperature uniformity accuracy	±5°C(at 150°C)
Work conveyance speed	0.85min/170mm to 3.5min/170mm variable(Adjustable). It makes the value that presets 4 pieces of speed.
Work conveyance condition	Cassette conveyor — The amount of cassette receipt 66cells/cassette, Cassette size — 145(W)×145(D)×50(H)mm
Total process time	Standard 60 minutes (30 minutes ~120 minutes adjustable)
Cassette processing ability	Standard 145 cassettes/h (1 cassette 66 cell) Cell about 1,200,000 sheets/135h (1 week)
Equipment Configuration	
External material	Cold-rolled steel plate, melamine resin baking finish
Internal material	Stainless steel plate, SUS 304 2B
Heat insulating material	Glass wool, t=75 mm
Maintenance checking door	6 places should cling to main part one side(W500×H300 mm) Door removal possible
HEPA filter exchange door	5 places should cling to the main part upper position
Air blower	Sirocco FAN — Motor AC200V, 3 phase, 400W×4 pcs, 750W×2 pcs
Heater	Stainless pipe heater (each zone 1 circuit, total 3 circuit) (1) Full power heating zone : 15 KW (2) Cure heating zone : 7.2 KW (3) Designated cooling zone : 3.6 KW
Filter	Low pressure lose HEPA filter Quantity of the standard wind, 15m ³ /min — sheet
Exhaust port	φ 200 They are 4 places a chamber outside — Each part exhaust adjustment damper
Conveyance width	640 mm
Span of conveyance	7400 mm
Conveyance conformation	Conveyance processing method by a clean mesh conveyor. Conveyance with a palette direct every career roller * Chain rail quality of the material : Stainless * Tail pulley quality of the material : Stainless * Career roller : Stainless
Control	Inverter control
Power supply	AC 380V 50/60Hz 3 phase 36KVA
External dimensions	1450(W)×7440(L)×1580(H) mm
Control Instrument	
LCD touch panel	Display, setting, and operation by the color LCD touch panel. The temperature setting possibility (8 kinds) in terms of the kind by the recipe. (8 recipe memory)
PLC	Control of the chamber and conveyor by PLC
Temperature controller	Temperature control by the microprocessor PID control
Temperature sensor	K type thermocouple (Double element)
Temperature monitor output	K type thermocouple with connector (Each zone 1 point -- total 4 points)
Safety Equipment	
Safety	Protect the machine from leakage, short circuit and over-current. Air blower motor protection, Overheat protection, Temperature upper limit alarm, Temperature rise abnormal alarm, Conveyor motor protection, Tact over alarm, HEPA filter pressure loss display.
Emergency stop switch	Heater, Blower motor and Conveyor