

Post Filling Clean Conveyor Oven

YY-384

Operating Temperature Range	60deg.C to 150 deg.C
Temp. Adjustment Accuracy	±5deg.C (at150deg.C)
Degree of Clean	Class 100
Conveyance Speed	0.85min/170mm to 3.5min/170m
Total Process Time	30 to 120min

On the conveyor area are CLASS 100 condition. And LCD touch panel operation

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.

Control Panel



Specifications

YY-384	
■ Performance	
Air circulation	Forced air circulation type (Down flow)
Operating temperature range	60deg.C to 150deg.C
Temperature uniformity accuracy	±5deg.C(at 150deg.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 to 120 minutes adjustable)
Cassette processing ability	Standard 145 cassettes/h (1 cassette 66 cell) Cell about 1,200,000 sheets/135h (1 week)
■ Components	
External material	Cold-rolled steel plate, melamine resin baking finish
Internal material	Stainless steel plate,
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	φ200 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
■ Controller	
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 sensor	K type thermocouple (Double element)
Signal tower	Green -- Operation, Yellow -- Standby, Red -- Error with alarm
Temperature monitor output	Each zone 1 point -- total 4 points
■ Standard	
Internal dimensions	830(W)×5,800(L)×600(H) mm
External dimensions	1,450(W)×7,440(L)×1,580(H) mm
Power supply	AC 380V 50/60Hz 3 phase 36KVA
■ 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 alarm.
Emergency stop switch	Heater, Blower motor and Conveyor