

I.C.T UV Curing Oven



Introduction:

The UV oven is a cost-effective drying oven produced by I.C.T, curing UV light curing coatings, such as UV paint, UV glue, UV ink or UV varnish, etc, then followed by injection-type or print multiple materials in an instant surface cured and dried.

Features:

1. Control system: Instrument or PLC+touch screen control, make sure the machine working steadily;
2. UV lamp lifetime can reach 1000-1200 hours, the energy of UV is higher and the penetration ability of the coating is stronger than abnormal lamp protection device;
3. Conveyor belt made of Teflon materials has no pole speed regulation, and speed is stable and adjustable;
4. Focus design, import high light reflector lamp shade, instant drying, fast speed;
5. Independent cooling area ensures a low temperature when PCB comes out;
6. Transmission system uses imported motors, speed adjuster, smoothly running;
7. Stainless steel chain transportation, the width can be adjusted;
8. The equipment has the function of in and out board detection, which can observe the number and transportation of the boards in the equipment;
9. It is equipped with transformer, reflector, lamp tube, trigger, UV reflective device, and reflector at the bottom, which greatly improves the utilization rate of UV light. Each group of UV lamps can be controlled separately, and the height can be adjusted up and down.



UV light

Imported material, stable performance, UV curing application,
LED lamp optional.



Transport system

The unique belt conveyor system can effectively prevent stuck PCB.
The motor controls the speed and the stop position is precise.
PCB entry and exit directions are freely available.

Materials List:

No.	Item	Brand	Original
1	PLC	Panasonic	Japan
2	Touch Screen	MCGS	China
3	UV Tube	Import	USA
4	Motor	JSCC	Taiwan
5	Bearing	NSK	Japan
6	Power	MW	Taiwan

Specification:

Item	I.C.T-U2
Photo	
Transport	Stainless steel chain
Control system	PLC+Touch screen
Conveyor speed	300~3000mm/min
UV light quantity	1set
UV light power	6Kw/set
UV light source	UVA band
Main wave length	365nm
UV light height adjustment	Adjustable
Transport high	900±20mm
Max PCBA height	±100mm
Max width of PCBA	460mm
Conveyor direction	L→R (Option: R→L)
Cooling method	Forced-Air
Exhaust volume	15M ³ /min*2 Exhausts
Electric supply	3Phase, 380V 50/60Hz
Power consumption	7KW
Dimension (L*W*H)	1500*1100*1720mm
Weight	Approx.450KG

* The data is obtained under the ambient temperature of 25°C and humidity of 60%.

Option Item:

No.	Item	Optional
1	Rail width adjust system	Motor automatic width adjustment
2	UV light height adjustment	Automatic lift
3	Option function	Board return line

Recommend Spare Parts:

No.	Item	Brand	Quantity	Recommended replacement cycle
1	UV light tube	Import	1 pcs	3000H
2	Ceramic fuse	I.C.T	1 pcs	6 months
3	Photoelectric sensors	Omron	1 pcs	1 year

* I.C.T keeps working on quality and performance, specifications and appearance may be updated without particular notice.

Thanks for choosing I.C.T.
I.C.T looks forward to win-win cooperation.
Thank you.