

### I.C.T UV Curing Oven



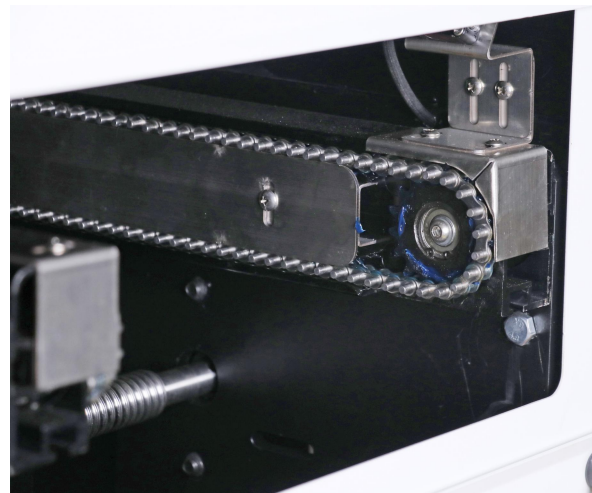
#### Introduction:

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. Focus design, import high light reflector lamp shade, instant drying, fast speed;
4. Independent cooling area ensures a low temperature when PCB comes out;
5. Transmission system uses imported motors, speed adjuster, smoothly running;
6. Stainless steel chain transportation, adjustable width, stable and adjustable speed;
7. The equipment has the function of in and out board detection, which can observe the number and transportation of the boards in the equipment;
8. The height of each group of UV lamps can be controlled individually and adjusted up and down, and the distance between the lamp and PCBA can be flexibly adjusted to meet different process requirements.

#### Top advantages:



**UV light**

Imported materials, stable performance, power and light intensity can be customized to meet different use needs, UV curing is used, and LED lights are optional.



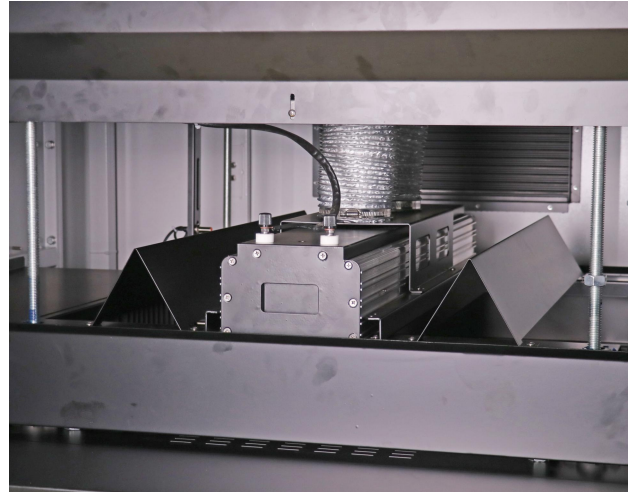
**Security door lock**

Mechanical door lock sensor, when the front and rear doors are opened, the machine stops working to ensure the safety of personnel to the greatest extent.



**Transport system**

The chain conveyor system with convex shaft effectively prevents PCB from getting stuck. The motor controls the speed and the stop position is precise.



**Electric lifting UV light**

The motor adjusts the height of the UV lamp to improve efficiency and flexibly adjust to meet different usage requirements and process requirements.

**Blackout cover**

Adjustable upper and lower metal door covers, adjust the height of the entrance and exit according to actual needs, minimizing the escape of UV curing light

**Materials List:**

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

**Specification:**

Item	I.C.T-U2
Transport	Stainless steel long pin chain, 35B pin length 5mm, add stainless steel tabs.
Control system	PLC+Touch screen
Conveyor speed	0.5~3.5m/min
UV light quantity	1set
UV light power	6Kw/set
UV light source	UVA band
UV light length	630mm, arc Length 500mm
Main wave length	365nm
Light intensity range	100~260mw/cm <sup>2</sup>
Power density	120W/cm <sup>2</sup>
UV light height from conveying surface	80-150mm electrically adjustable
Transport height	920+25mm
Max PCBA height	±100mm
PCBA width	50~500mm, manual adjustment, Withstand 5KG weight
Conveyor direction	L→R (Option: R→L)
Cooling method	Air cooling
Exhaust volume	15M <sup>3</sup> /min*2 Exhausts
Electric supply	3Phase, 380V 50Hz
Power consumption	7KW
Dimension (L*W*H)	1500*1100*1720mm
Weight	Approx.450KG

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

**Option Item:**

No.	Item	Optional
1	Rail width adjust system	Motor automatic width adjustment
2	Option function	Board return line

\* 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.**