

## I.C.T IR Curing Oven

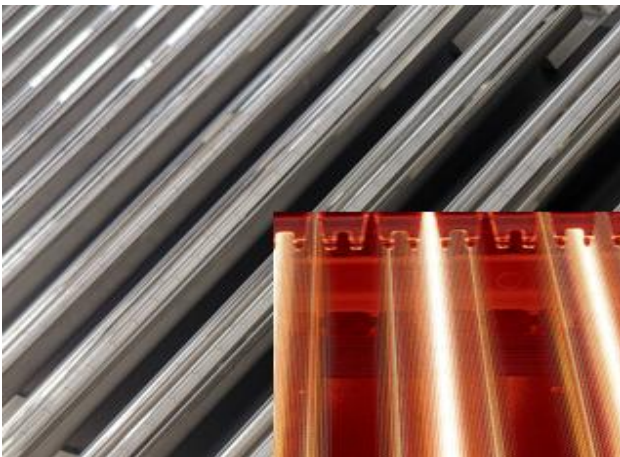


### Introduction:

The IR oven is cost-effective curing oven produced by I.C.T, mainly to deal with the application of glue curing. Anti-corrosion paint dry.

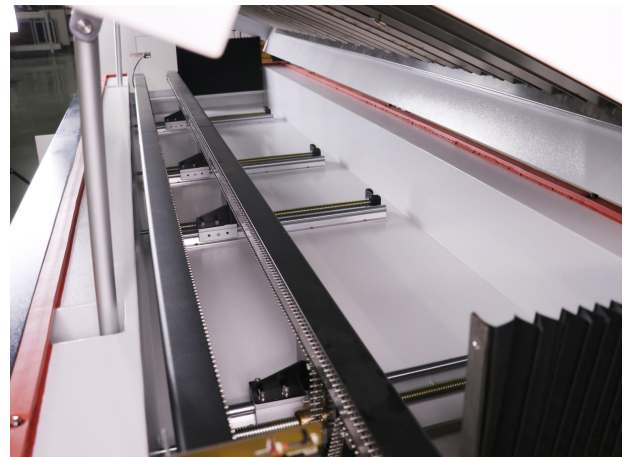
### Features:

1. Control system: PLC+touch screen or PC control optional, make sure machine working steadily;
2. IR heating: top zones IR heating, good heater compensatory, high thermal efficiency, energy saving, speedy heating, temperature accuracy  $\pm 5^{\circ}\text{C}$ , room temperature settling time less than 20 minutes;
3. PID intelligent precision controller, automatically control heating volume, fuzzy control function changes the external heating fast, and by internal control ensures more balanced temperature;
4. Use imported big current solid relay, without touch point output, safe, reliable, with special SSR radiator, greatly improve thermal efficiency and lifetime;
5. I.C.T using third-party over-temperature protection, multiple layers protection to ensure safe operation;
6. Products comply with CE, CCC, UL and other standard or specifications;
7. Independent cooling area ensures the low temperature when PCB comes out;
8. Transmission system use imported motors, speed adjuster, smoothly running, adjustable speed at 100~3000mm/min;
9. I.C.T design makes temperature from each zone is not influenced by neighbour to ensure accurate temperature curve, to achieve high adaptability;
10. Using zero gas source design, furnace cover with motor lifting, safety rod support, providing significant security;



IR system

Modular design, convenient for maintenance, imported IR heating pipe, uniform heat, bottom stainless steel reflection, low heat loss of sealed furnace.





Transport system

Special transmission structure, hardening treatment, load-bearing treatment, no deformation of guide rail, able to deal with products of various materials and weights.

**Main Materials:**

No.	Item	Brand	Original
1	PLC	Siemens	Japan
2	Touch Screen	MCGS	China
3	Motor	JSCC	Taiwan
4	Bearing	NSK	Japan
5	IR Tube	SANYUE	Taiwan
6	Power	MW	Taiwan

**Specification:**

Item	I.C.T-IR3	I.C.T-IR4
Photo		
Transport	Rail	Rail
Control System	Touch screen+PLC	Touch screen+PLC
Heating Mode	IR (Hot air option)	IR (Hot air option)
Conveyor Speed	100~3000mm/min	100~3000mm/min
Number of Heating Zones	Up3/Bottom0	Up4/Bottom0
Bottom Heating	Option	Option
Length of Heating Zones	2500mm	3500mm
Warming Time	Approx. 15minute	Approx. 15minute
Power for Warm Up	15KW	18KW
Power Consumption	6KW	8KW
Temperature Deviation	± 5°C	±5°C
Transport High	900±20mm	900±20mm
Max PCBA Height	±100mm	±100mm
Max Width of PCBA	460mm	460mm
Conveyor Direction	L→R (Option: R→L)	L→R (Option: R→L)
Exhaust Volume	10M <sup>3</sup> /min*2 Exhausts	10M <sup>3</sup> /min*2 Exhausts

Electric Supply	3phase, 380V, 50/ 60Hz	3phase, 380V, 50/ 60Hz
Dimension (L*W*H)	3000*1150*1200mm	4000*1150*1200mm
Weight	Approx. 650KG	Approx. 850KG

\* 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.**