



**PROCESS SOLUTIONS  
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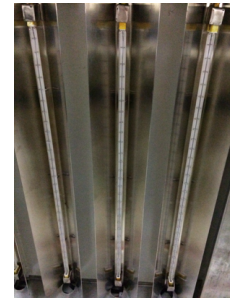
## iCure SERIES

INFRARED CURING OVEN

### Product Description

Anda iCure Series are compact, inline infrared (IR) heat curing oven systems. iCure is highly unique, it combines SMEMA height upper and lower (optional) return conveyor curing within the same compact work cell. This enables iCure to perform the job of ovens twice its length for applications that require a second oven to cure coatings, adhesives or inks applied to an inverted Pallet/PCBA. The iCure Series provides manufacturers a 100% reduction in factory oven floor space. Easily integrates into inline factory automation processes or used as a stand-alone system. Pairs seamlessly with selective conformal coating spraying systems.

- Enhanced thermally insulated design
- Available in 2 / 3 / 4 meter oven lengths
- Temperature control accuracy  $\pm 5^{\circ}\text{C}$
- Multi-zone curing ovens with independent zone temperature control



Curing zone with infrared tube heaters and reflectors



Power switch box for the control of curving oven

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# Specifications :

## System Specifications

### iCure Series Inline Infrared Heat Curing Oven

	iCure-2	iCure-3	iCure-4
<b>Board Handling</b>			
Min. Conveyor Width	50 mm (1.96")		
Max. Conveyor Width	480 mm (18.11")		
Max. Component Height	±100 mm (3.93")		
Process Flow	L to R (Standard), R to L (Optional)		
Max. Load	8 kg/m (18 lbs) with even distribution		
Conveyor Speed	0.1 - 4 m/min		
Conveyor Height	900 ± 20 mm (35.43" ± 0.79")		
Conveyor Width Adjustment	Manual		
<b>Temperature Configuration</b>			
Number of Top Heat Zones	2	3	4
Heating Zone Power	600 W x 7 heat tubes at each zone		
Temperature Control Range	Room temperature -100°C (adjustable)		
Temperature Stabilization Time	10 min		
Temperature Control Accuracy	±5°C		
<b>Facility</b>			
Footprint	L 2000 mm (78.74")	L 3000 mm (118.11")	L 4000 mm (157.48")
	W 1070 mm (42.12")	W 1070 mm (42.12")	W 1070 mm (42.12")
	H 1155 mm (45.47")	H 1155 mm (45.47")	H 1155 mm (45.47")
Weight	~400 kg (~880 lbs)	~700 kg (~1550 lbs)	~1000 kg (~2200 lbs)
Exhaust Requirement	5 m <sup>3</sup> /min (176 CFM)		
Input Power	AC 380 V 50/60 Hz 3-phase 5-wires system AC 220 V / 480 V with transformer (optional)		
Rated Power	9.0 kW	11.0 kW	18.0 kW
<b>Interface</b>			
Controller	PLC and touch screen		
Communication Protocol	SMEGA		

## Standard Features

- Edge carrying, variable speed pin chain conveyor
- Multiple, independently controlled infrared (IR) heat zones operation
- Rail expansion compensation
- Thermal couple process control

## Optional Features

- Top and bottom side simultaneous curing
- Return conveyor (underneath)
- Return conveyor heating (underneath)
- Additional heat zones available
- Larger conveyor width

