

Medium-sized reflow oven in an atmospheric environment

SOLSYS-8046

The SOLSYS-8046 is a wide-type, air-only 8-zone reflow oven that accommodates a transport width of 460mm. In addition to its 8-zone configuration enabling high-precision profile control, it supports mesh transport and multi-lane processing with double lanes. It significantly improves production efficiency in mass production of large and multi-sided substrates. By not using N₂, it reduces running costs while achieving both high quality and high throughput, making it the top-of-the-line model for air-based reflow.



Standard specifications

Number of zones	8 heating zones	Flux recovery mechanism	Option
Heating method	Top hot air + far-infrared heating	PC outlet	1 piece (100V)
	Lower far infrared heating method	Pass line	900 ± 20mm
Maximum set temperature	Top 320°C / Bottom 350°C	Input power (*1)	AC200V 3 φ 46kVA 133A
Board effective width	50~460mm	Stable power consumption	Approximately 9kW/h
Conveying method	Pin chain or Mesh	Device dimensions	L3,650 × D1,055 × H1,410mm
Conveying speed	0.3~1.5m/min	Equipment weight	1,250kg
Part effective height	Top surface 25mm / Bottom surface 18mm	*1: Input power is used in peak power suppression mode.	
Oxygenconcentration meter	Cannot be installed		

Option

① Overheating Prevention Device	⑨ Hood interlock
② Board drop sensor	⑩ Reflow checker (profile measurement unit)
③ Automatic width adjustment mechanism	⑪ Various conveyors (conveyor, cooling conveyor, loader, unloader)
④ Lifting anti-sled mechanism	
⑤ Simple maintenance type flux recovery mechanism	
⑥ UPS (Uninterruptible Power Supply)	
⑦ Entrance/exit conveyor extension	
⑧ Circulation fan stop detection	

*Regarding safety specifications and compliance with various standards, we can provide individual support according to your requirements.

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