

Medium-sized reflow oven in an atmospheric environment

SOLSYS-6046

The SOLSYS-6046 is a wide-type, air-only, 6-zone reflow oven that accommodates a transport width of 460mm. Despite its compact design with a total length of 2,900mm, it achieves profile reproduction equivalent to that of mass production lines. It supports mass production of large and multi-sided substrates and can be applied to a wide range of heating processes, including not only reflow but also drying and long-term heating (curing). As a highly practical model that can handle mass production of large workpieces while keeping running costs down by not requiring N₂, it has been adopted both domestically and internationally.



Standard specifications

Number of zones	6 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 29kVA 84A
Board effective width	50~460mm	Stable power consumption	Approximately 7kW/h
Conveying method	Pin chain or Mesh	Device dimensions	L2,900 × D1,055 × H1,410mm
Conveying speed	0.3~1.5m/min	Equipment weight	1,000kg
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.

Contact information

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