

Medium-sized reflow oven in an atmospheric environment

SOLSYS-8031

The SOLSYS-8031 is an 8-zone reflow oven designed for atmospheric use only, without the use of N₂. Despite its compact 3,600mm length, its 8-zone configuration enables high-precision profile control, achieving stable heating quality comparable to mass production lines. It supports a wide range of heating processes, including reflow applications, drying, and long-duration heating (curing). This top-of-the-line model is the ideal choice for environments demanding high-quality heating while keeping costs down.



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 31kVA 90A
Board effective width	50~310mm	Stable power consumption	Approximately 7kW/h
Conveying method	Pin chain or Mesh	Device dimensions	L3,650 × D855 × 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.

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