

Medium-sized reflow oven in an atmospheric environment

SOLSYS-6031

The SOLSYS-6031 is a 6-zone reflow oven designed for atmospheric use only, without the use of N₂. Despite its compact design with a total length of 2,900mm, it achieves profile reproduction equivalent to that of mass production lines. It can handle heating conditions that are difficult for typical small models to manage, and is applicable to a wide range of heating processes, including reflow, drying, and long-term heating (curing). It is a well-balanced model that is widely adopted both domestically and internationally because it ensures stable heating quality while keeping costs down.



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 22kVA 64A
Board effective width	50~310mm	Stable power consumption	Approximately 5kW/h
Conveying method	Pin chain or Mesh	Device dimensions	L2,900 × D825 × H1,410mm
Conveying speed	0.3~1.5m/min	Equipment weight	700kg
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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