

### Nitrogen atmosphere space-saving mass production reflow oven

# EXSOL-8231

The EXSOL-8231 is a production-grade reflow oven that achieves mass-production quality despite its compact 4.1m length. While small reflow ovens are generally used primarily for prototyping and evaluation, the EXSOL-8231 is designed for use in mass production lines. Its optimized zone configuration reproduces a stable heating profile, enabling high-quality surface-mount manufacturing (SMT) even in space-constrained environments. This mass-production reflow oven offers a new option for those who face the challenge of "not having enough space for a mass-production machine."



#### Standard specifications

Number of zones	8 heating zones / 2 cooling zone	Flux recovery mechanism	Standard equipment
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 (*2)	AC200V 3φ 24kVA 70A (※2)
Board effective width	50~300mm	Stable power consumption	Approximately 8kW/h
Conveying method	Pin chain or Mesh	Device dimensions (*3)	L4,110 × D1,320 × H1,410mm
Conveying speed	0.3~1.5m/min	Equipment weight	1,750kg
Part effective height(*1)	Top surface 10mm / Bottom surface 10mm	*1: Adjustable via the labyrinth up/down mechanism.	
Oxygenconcentration meter	Standard equipment	*2: Input power is used in peak power suppression mode.	

#### Option

① Automatic width adjustment mechanism	⑨ Oxygen concentration sampling across all zones
② Overheating Prevention Device	⑩ Low oxygen concentration specification (100 ppm or less)
③ Board drop sensor	⑪ Labyrinth Up/Down Mechanism
④ Lifting anti-sled mechanism	⑫ Entrance/exit conveyor extension
⑤ UPS (Uninterruptible Power Supply)	⑬ Circulation fan stop detection
⑥ Downward circulation (adding hot air to the bottom)	⑭ Hood interlock
⑦ Oxygen concentration controller	⑮ Reflow checker (profile measurement unit)
⑧ N2 All Zones Supply	⑯ Various conveyors (conveyor, cooling conveyor, loader, unloader)

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

#### Contact information

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