



### Ultra-compact reflow oven for nitrogen atmosphere use

# UNI-3116

The UNI-3116, with its extremely compact design of just 780mm in length, enables the introduction of reflow processes even in environments where installation was previously difficult. Furthermore, its nitrogen compatibility ensures a stable heating environment for ball formation and special applications. As a new option for external processes in mass production lines, it is an ideal unit for development, evaluation, and small-batch applications.

#### Standard specifications

Number of zones	3 heating zones / 1 cooling zone	Flux recovery mechanism	Cannot be installed
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 6kVA 18A
Board effective width	50~160mm	Stable power consumption	Approximately 2kW/h
Conveying method	Pin chain or Mesh	Device dimensions (*2)	L780(1,000) × D795 × H1,285mm
Conveying speed	0.03~0.15m/min	Equipment weight	140kg
Part effective height(*1)	Top surface 10mm / Bottom surface 10mm	*1: Input power is used in peak power suppression mode.	
Oxygenconcentration meter	Standard equipment	*2: Device dimensions ( ) are for mesh conveying.	

#### Option

① Overheating Prevention Device	⑨ Circulation fan stop detection
② Substrate Drop Sensor	⑩ Hood interlock
③ UPS (Uninterruptible Power Supply)	⑪ Reflow checker (profile measurement unit)
④ Oxygen Concentration Controller	⑫ Various conveyors (conveyor, cooling conveyor, loader, unloader)
⑤ N2 All-Zone Supply	
⑥ Oxygen Concentration All-Zone Sampling	
⑦ Low oxygen concentration specification (100 ppm or less)	
⑧ Inlet/outlet conveyor extension	

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

#### Contact information

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