



# MALCOM RDT-250C Reflow Simulator

Reproduce the temperature profile of the Reflow oven. Observe the melting state of solder paste and record the process.

- ▶ The local matrix control system of the upper heater makes reflow soldering of a PCB possible, in which the thermal capacity is balanced with the best heating temperature.
- ▶ Low power consumption provides excellent cost/performance benefits.
- ▶ Can accommodate full size PCB boards for testing (250 x 330mm).
- ▶ Each heating stage sets the temperature as well as the time. It makes it possible to change the time which keeps the reflow peak temperature free.
- ▶ Can observe the state of soldering through a wide glass window from the rear of the unit.
- ▶ Reproduce nearly the same conditions as an actual reflow oven by using the hot air of the upper-heater and the extreme infrared radiation of the upper & lower heater together.
- ▶ Can heat in a N2 atmosphere and control N2 concentration with the O2 Oxygen Analyzer, OAS-1, and N2 flow adjustment function. (OAS-1 is optional)

## Specifications:

Item	Specification
Applicable Circuit Board	Up to 250W x 330L x 15H mm
Outer Dimension	830W x 557D x 523H mm
Heating Method	Upper-face : Extreme infrared radiation with hot air Lower-face : Extreme infrared radiation
Cooling Method	Exhaust damper continuous operation by flowing air or N2 air (with flow adjustable valve)
Power Supply	200V 50/60Hz 18kVA 3Phase
Air	0.3 - 0.5MPa 100 liter/min (Maximum)
O2 Concentration in Furnace (when using N2)	100ppm minimum
PCB Installation	Net system or Carrier system (Selectable on request)
Upper-Heater	Extreme infrared radiation with hot air convection heater
Lower-Heater	Extreme infrared radiation heater : Approx. 2kW (330W x 6)
Temp. Accuracy	Room temp. - 80C : +/-3C 80C - 330C : +/-2C
Measuring Temp. Range	Room temp. - 330C
Measuring Points	1 - 6 points
N2 Gas Supply Function	100 liter/min. with flow regulating valve during operation.
Control	Exclusive software <RDT-250S> for Windows XP/2000
Weight	Approx. 110kg

\* Specifications subject to change without notice.

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