



RF-110



RF-110N2

Manual Reflow Soldering Machine RF-110 Manual N₂ Reflow Soldering Machine RF-110N2

RF-110 is a manual far-infrared reflow soldering machine. It can reflow-solder both faces of 200×200mm printed circuit boards. Highly suitable for trial manufacture, testing and production of small quantities of multi-kind of SMT board.

RF-110N2 is a manual far-infrared reflow soldering machine which is applicable for nitrogen(N₂) gas. With this machine, less than 1000ppm of oxygen density can be achieved with a slight volume of nitrogen gas consumption.

Features

- * It is infrared 1 zone heating type. The temperature profile can be set with a timer and a temperature controller.
- * It can reflow-solder both sides of PC boards, without applying adhesive to the printed board up to 200×200mm.
- * It is desk-top type nitrogen(N₂) reflow soldering machine which is the smallest in the world and cheap.(RF-110N2)
- * Although the volume of the consumption of nitrogen per one time reflow soldering is as slight as 20 to 30ℓ, less than 1000ppm can be achieved.(RF-110N2)

Specifications

- Heating section : 1 zone, 210×210mm (H)20mm (at the inlet)
Heater : Quartz tube heater, IR (wavelength: 2 to 10 μm)
Upper part: 1kW Lower part: 0.4kW
Heater selection : TOP(only top ON) / OFF / FULL(top and bottom ON)
Temperature control: Max. 300°C, P.I.D. temperature controller.
Temperature control for the atmosphere in the upper part of the furnace.
- Conveyor : Batch type
- Timer : 0 to 10 minutes. analog timer.
- Cooling : Natural cooling.
- Power supply : AC100/120/220V 1.5kW 50/60Hz
- N₂ supply quantity: 20 to 30ℓ / One time (2' 30")
(RF-110N2) The supply of N₂ is only during the time from START to timer OFF.
- Dimensions : (W)300×(D)550×(H)195mm (RF-110)
(W)340×(D)590×(H)210mm (RF-110N2)
- Weight : about 12kg (RF-110)
: about 14kg (RF-110N2)

Applicable circuit boards

Dimensions: 10mm×10mm to
200mm×200mm
Board thickness: 0.1mm to 2mm
Height: Max. 20mm

Applications

- Reflow soldering of H-IC and SMT circuit boards.
- Reflow soldering for non-cleanse type cream soldering. (RF-110N2)
- Drying of thermosetting adhesives.
- Other heating work.

Options

- Operation indication lamp.

* Specifications subject to change without notice.