



RF-110MK2



RF-110N2MK2

## Manual Reflow Soldering Machine RF-110MK2 Manual N<sub>2</sub> Reflow Soldering Machine RF-110N2MK2

RF-110MK2 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-110N2MK2 is a manual far-infrared reflow soldering machine which is applicable for nitrogen(N<sub>2</sub>) gas. With this machine, less than 1000ppm of oxygen density can be achieved with a slight volume of nitrogen gas consumption. **NEW** These devices can set a temperature profile the same as conveyor reflow M/C.

### 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(N<sub>2</sub>) reflow soldering machine which is the smallest in the world and cheap.(RF-110N2MK2)
- 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-110N2MK2)
- These devices can set temperature and time of a Max 31 segment.

### 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. programable temperature controller. (MAX 31 segment)
- Temperature control for the atmosphere in the upper part of the furnace.
- Conveyor : Batch type
- Cooling : Natural cooling.
- Power supply : AC100/120/220V 1.5kW 50/60Hz
- N<sub>2</sub> supply quantity : 20 to 30ℓ / One time  
(RF-110N2MK2) The supply of N<sub>2</sub> is only during the time from START to program OFF.
- Dimensions : (W)300×(D)550×(H)195mm (RF-110MK2)  
(W)340×(D)590×(H)210mm (RF-110N2MK2)
- Weight : about 12kg (RF-110MK2)  
about 16kg (RF-110N2MK2)

### 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.
- Drying of thermosetting adhesives.
- Other heating work.

### Options

- Operation indication lamp.

★Specifications subject to change without notice.