



Large-size Table-top Reflow Soldering Machine RF-330

The RF-330 is a far-infrared table-top reflow soldering machine. It can reflow solder in 2-3 minutes all parts from 10×10mm H-IC boards to large-size 300×300mm SMT boards, just by loading them on the conveyor, and anything from chip parts to QFP or BGA. Being a table-top model, there is no need to choose a fixed location, and it is suitable for anything from experimental work and research to mass production.

Features

- * As it is a table-top model requiring a power supply of single-phase AC200V(120V/220V), there is no need to select a fixed location.
- * Can reflow solder anything from 10×10mm H-IC boards to large-size 300×300mm SMT boards.
- * Preheat and reflow zones are both equipped with microcomputer PID digital temperature control, so a stable temperature profile is assured.
- * Reflow zone is equipped with a window to allow observation of progress of reflow soldering.

Specifications

- Heating section : 2 zones, (W)300×(L)620×(H)25mm (at the inlet)
 - Heater : Quartz tube heater, IR (wavelength: 2 to 10 μm)
 - Preheatzone: Upper part: 1.2kW Lower part: 0.9kW
 - Reflow zone : Upper part: 0.9kW Lower part: 0.6kW
- Heating method : IR+Natural convection system
- Temperature control: Max. 300°C, P.I.D. temperature controller.
- Temperature control for the atmosphere in the upper part of the furnace for each zone
- Conveyor : (W)300mm, SUS mesh belt. 10 to 540 mm/min
- Conveyor direction: L -> R
- Cooling : Forced cooling by a fan on the outlet side.
- Power supply : Single phase 200V±10% 3.7 kW, 50/60 Hz (220V, 120V are also available)
- Safety devices : Current leak/Over-current circuit breaker
- Emergency stop switch
- External dimensions: (W)1300×(D)500×(H)275mm.
- Weight : about 66kg.

Applicable circuit boards

Dimensions: 15mm×15mm to
300mm×300mm
Board thickness: 0.1mm to 2mm
Height: Max. 25mm

Applications

- Reflow soldering of H-IC and SMT circuit boards.
- Drying of thermosetting adhesives and other heating work.

Options

- Operation indication lamp.

* Specifications subject to
change without notice.