

RTU-380 Lead Free Reflow Oven

Ren Thang Co., Ltd.



RTU-380 Lead Free Reflow Oven

- Specification
 - I. Machine Dimension: 850(L)x280W)x280(H)mm
 - 2. Net Weight: 40 kgs
 - 3. Input Voltage: 220V/AC/50/60Hz
 - 4. Power: 3200 Watts
 - 5. Reflow Area: 155 x 155mm
 - 6. Warm-up time: 3 minutes.
 - 7. Temperature Range: 28~420 Celsius degree
 - 8. Temperature Control : 2 separate PID with Fuzzy control





- Function
- N2 Retrofit : N2 flow rate can control by a N2 Flow Meter, range from 0-25 M3/Min.(1 LPM = 28 lit/Min)
- 2. N2 will help to reduce oxidation during reflow process.
- 3. Amp Meter : During power on Oven max. surge is I 5Amp, and when under normal running condition consume only 6.2 –8 Amp.



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Features

- 1. Heat from top and bottom, from both sides, is stable to increase degrees smoothly and evenly .
- 2. Suitable for lead or lead-free repair procedure.
- 3. Contactless heat-up method can prevent I.C. or Chips to burst apart or crack due to the large coefficient of thermal expansion.
- 4. Lead-Free Tin Ball melting point at 217° C
- 5. Lead Tin Ball melting point at 205~206°C
- 6. Heart from both sides can prevent from burnt-out, wrap-up or damage on IC.





Working Cycle/Capacity Calculation:

- [Temperature heat-up Time] Start HEATER : Increase 10°C takes I minute.
 - If set to 250° C, it will take 25minutes to 250° C.
- ► [Movement Time]
 Start → Reflow movement → Retrieve to Start.
 - A. Working Cycle: depends on setting of TIMER
 - **B.** Capacity: depends on one time amount on tray.
- I. Reflow TIMER set at 200sec.
- 2. How many pieces on tray at a time as a route.
- 3. Calculate how many routes can run per day or per ever 4 or 8 hours.
- 4. Amount x Routes = daily capacity

Using Computer to pull out the Temp. Profile



Link Thermo Couple & RS-232 to dominate temperatures



Save as Curve Chart or EXCEL file to print out.



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2	end time	2010/11/7 下午11:27:3			Buttom Heater												
3	cycle	1			Timer												
4	data count	270															
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9	14	2010/11/7	23:23:23	260.00	34.24	0.40											
20	15	2010/11/7	23:23:24	260.00	34.36	0.40											
21	16	2010/11/7	23:23:25	260.00	34.48	0.40											
22	17	2010/11/7	23:23:26	260.00	34.56	0.40											
23	18	2010/11/7	23:23:27	260.00	34.72	0.40											
	19	2010/11/7	23:23:28	260.00	34,84	0.40											
24																	

Our customer's lab.



Left is old, right is new. N2 Bottle to supply



Our customer's lab.



Amount on tray depends

Put exhaust system



Samples













DRAM-PCB BGA

DRAM BGA



