

JTR Series JT Lead-Free Hot Air Reflow Oven

I. Description:

Reinforced main hanging bracket to avoid rail deformation and board jamming;

Multi-layer thermal insulation design. The Surface temperature of the Oven body is reduced by 10 to 20 degrees, reducing the temperature of the working environment effectively; New cooling configuration to make the filtered or reclaimed air back to oven chamber, it can

reduce the thermal loss as well as get better flux collection;



II. Features:

- 15% heat transferring efficiency was improved to deal with the lead free process with more
- complicated and larger products;
- The dual-rails conveyor is able to improve the production efficiency as well as save power and
- cost;
- Use the full protection of the sealed oven design to prevent nitrogen losing. So the lowest
- concentration of oxygen can be reached to 150ppm;
- Nitrogen consumption is only 20-22M/H with the oxygen level 300-800ppm;
- Nitrogen closed-loop control system is optional, energy saving and environmental protection.

III. Specifications:

Model No.	JTR-800/JTR-800-N	JTR-1000/JTR-1000-N	JTR-1200/JTR-1200-N
Specification			
Dimensions(L×W×H)	5520x1430x1530mm	6300x1430x1530mm	7050x1430x1530mm
Net Weight	Approx.2400KG/2500KG	Approx.2700KG/2800KG	Approx.3200KG/3100KG
Exhaust Volume	10m ³ /min x2 Exhausts		
Supply Power	AC380V3φ5w 50/60Hz(optimAC220V3φ)		
Power	Starting:30KW/32KW Operating:9KW/10KW	Starting:36KW/38KW Operating:10KW/11KW	Starting:40KW/42KW Operating:11KW/12KW
Heat up Time	Approx.25min		
Temp.Range	Room temperature -300℃		
Max. Width of PCB	400mm(Option:460mm)		
Component Height	Top25mm/Bottom 25mm		
Conveyor Direction	Left to Right(Option;Right to Left)		
Fixed Rail Side	Front Rail Fixed(Option:Rear Rail Fixed)		
Conveyor Height	900±20 mm		
Conveyor Speed Range	300-2000mm/min		
Data Storage	Various parameters and status are storable		
Abnormal Alarm	Abnormal Temp. (Over/under Heat.)Sound & light		
Device Layout			
No.of Heating Zone	Top 8,Bottom8	Top 10,Bottom 10	Top 12,Bottom 12
No.of Cooling Zone	Top 3,Bottom 3		
Control System	WIN10+Computer+PLC		
Temp.Control Method	PID+SSR		
Thermocouple Wire	4wires		
Conveyor System	Rail+Mesh		
Conveyor Control Mode	Inverter+Import Conveyor Motor		
Chain Structure	Dual-link avoid block		
Width Adjustment	Electric adjustable		
Cover Open Way	Electric open for easy maintenance		
UPS Power	Backup power supply to ensure PCB production finish normally.		
Cooling System	Forced Air Cooling		

Other Extend Models	JTR-800D/JTR-800D-N JTR-800L/JTR-800L-N	JTR-1000D/JTR-1000D-N JTR-1000L/JTR-1000L-N	JTR-1200D/JTR-1200D-N JTR-1200L/JTR-1200L-N
Dimensions(LxWxH)	5520x1660x1530mm	6300x1660x 1530mm	7050x1660x1530mm
Net Weight	Approx.2750KG/2850KG Approx.2700KG/2800KG	Approx.3050KG/3150KG Approx.3000KG/3100KG	Approx.3350KG/3450KG Approx.3300KG/3400KG
Warming Time	Approx.30mins		
Range of Rail Width	For"-D"Model:adjustable 50-270mm;For*"-L"Model:adjustable 50-490mm		
For -N Mode	-N		
Nitrogen Consumption	300-1000PPMat20M'/hr (standard)/500-1000PPMat25-30M'/hr("-D"or"-L"models		