Reflow Soldering R12-N

1. Detailed description

- Dimensions: 7130*1445*1520mm
- Main color: Ivory white
- Net weight: 2750kgs
- Exhaust volume: 10m ³ /min×2 channels
- Power supply: 5-wire 3-phase; 380V 50/60HZ
- Starting power: 50KW (device split)
- Power consumption: 13-15KW/H
- Heating time: approximately 30 minutes
- Temperature range: Room temperature to 300° C
- Crossing width: 50-460mm
- Part height: 25mm top 25mm bottom 25mm
- Outlet plate thickness: 8mm aluminum plate
- Transport direction: left to right (right to left)
- Rail height from ground: 900±20 mm
- Transportation speed: 300-2000mm/min
- Parameter storage: Multiple production setting parameters and conditions can be stored
- Abnormal alarm: High or low temperature alarm, both audible and visual
- Lubricating oil filling: Can be freely switched between automatic and manual modes

2. Equipment configuration

- Number/length of heating zones: top 12, bottom 12 heating zones, 4715mm
- Number/length of cooling zones: upper 3/ lower 3 cooling zones, 1160mm
- Control system: WIN 10+ Yanjing Industrial Control +PLC
- Temperature control mode: PID closed-loop control +SSR drive
- Temperature test lines: 3
- Transport system: Rails + mesh belt
- Transport control mode: frequency converter + imported transport motor

· Chain structure: Double-row chain buckle anti-jamming plate
· Guide rail structure: Integral segmented
· Rail width adjustment: Electric rail width adjustment
· Upper cover start: The upper cover opens electrically for easy cleaning inside the furnace
·UPS power supply: Power failure backup protection PCB production completed
· Equipment Shunt: After the equipment starts up, the internal software automatically implements Jaguar Shunt patent for the heating method, reducing current by 40%-50% compared to the traditional heating method, and the incoming line can reach 60% of the full-load power line, saving the customer's incoming line replacement cost and reducing the impact on the power grid, while reducing electricity consumption by 30%;

3. Nitrogen system

· Nitrogen flowmeter: Standard nitrogen flowmeter
· Nitrogen supply pressure, 0.6-0.8Mpar
· Operating pressure: 0.5Mpar
· Nitrogen consumption: 25-35m³/H. Nitrogen consumption mainly depends on PCB width and output. The actual value may differ from the above values
· Installation Tips: Do not have any other airflow generating devices around the equipment. Equipment that generates airflow or turbulence should not be placed at the front or rear end of the furnace
· Cooling water flow: Between 25-35 l/min (based on temperature)
· Nitrogen concentration: 300-1000PPM
· Nitrogen concentration sampling point: Single-point sampling in the reflux zone

4. Exhaust

· Exhaust aperture: 2 x 200 mm
· Displacement per minute at 5mbar pressure: 2 x 20-25
· Internal cooling - exhaust (no water connection) : 1 x 1300 m³/h
· Built-in chiller system - exhaust (powerful cooling) : 1 x 3500 m³/h

The nitrogen closed-loop recycling system is designed to enhance the utilization rate of nitrogen. The gas is filtered through two layers of filters in the recycling box and the condenser before being returned to the interior of the equipment for reuse

5 List of components and accessories:

Name	Brand	place of origin
Solid-state relays	Gale	Switzerland
Intermediate relay	Omron	Japan
Intermediate relay seat	Omron	Japan
UPS	Zhuhai Santak	China
Contactor	Schneider/Chint	Germany/China
PLC	Siemens	Germany
Temperature control module	Huichen	Joint venture

Heating wire	Hotset	Germany
Frequency converter	Sine	China
10A high-power intermediate	Omron	Japan
Phase sequence protectors	Chint	China
Solenoid valve	Sono	China
Transport motor	ADDK	Joint venture
Wider motor	PANASONIC	Japan
High-temperature motor	Glory	Taiwan
Industrial control computer	Yanjing	China
Bearings	NSK	Japan
Double row long axle	KMC	Taiwan
Speed test eye	OMROM	Japan
Master switch	Schneider	Germany
24V DC power supply	Mingwei	Taiwan
Electric lead screw	Confia	Taiwan
Oil cup	Oil Bell	Taiwan
Limit switch	Chint	China
Tricolor lamps	Orne	China
Dual P 32A single opening	Chint	China
Thermometer seat	K	Japan
Control buttons	And Springs	Japan
Oxygen analyzer	Guillerry	China
Flowmeter	Far East	China

3HP air-cooled chiller

Product model	SX-3YL			
Cooling capacity	8.4 KW / 7224 kcal/h			
Total energy consumption power	2.87 KW			
Power source	3PH-380V-50Hz (5 wires)			
Chilled water flow	1.8 m^3/h (cold water)			
Cooling air volume	3000 m^3/h			
Temperature control range	5° C - 25° C(adjustable)	Temperature control accuracy: ± 1° C		
Cold water pipe diameter	″1″ (one in and one out			
Other pipe diameters	Refill: 1/2″	Overflow: 1/2″		
	Cleaning the drain: 1/2″			
Control mode	Operation control: Smart microcomputer control panel, control equipment operation and temperature display.			
	Throttling method: Capillary tube, controlling refrigerant flow.			
Compressor	Power: 2.2KW	Refrigerant type: R-22		
Water pump	Power: 0.37KW	Head: 15-20M		
Cooling fan	Power: 164W*2			
Water tank	Capacity: 50L	Material: Stainless steel		
Protective device	Compressor protection	Protection of the refrigeration system		
	1. Overload protector:	1. High-pressure pressure protection		
	2. Thermal relay:	2. Refrigeration oil pressure protection		
	3. Phase loss protection:	3. Low pressure protection		
	4. Freeze prevention circuit:	4. Refrigerant filter		
Approximate size mm	Length 1020× Width 500× height 1050			
Approximate weight	160Kg			
Main configuration components				
Serial Number	Component name	Specification Type	Origin/Brand	Notes
1	Compressor	Fully enclosed scroll type	Japan - Daikin	1 unit

2	Water pump		Guangzhou - Lingxiao	1 unit
3	Cooling fan	Low-noise external rotor fan	Mar	2 units
4	Controller	Smart microcomputer control board	Taiwan - Bomp	1 set
5	Evaporator	Stainless steel coil type	Self-produced	1 set
6	Condenser	Copper tube with aluminum fin type	Self-produced	1 set
7	Electrical components		Shanghai - Delixi	1 set
8	Refrigerant filter		Emerson	1
9	High and low pressure gauges		Shanghai - Yaxing	Group 1