



Product name: Large 12 zones lead-free hot air reflow soldering machine F12

Product Description:

1. Heating section



New energy-saving furnace chamber design, four-side return air, the best temperature uniformity
Adopting all imported flowerless electrolytic plate material hearth, anti-oxidation, easy to clean and maintain

The interior of the furnace chamber is filled with imported 160K aluminum silicate cotton, with a temperature resistance factor of 1100°C

Plug-in high-temperature motors imported from Taiwan, China, with temperature-resistant coefficients up to Class H. 5-minute quick change.

12 heating zones, 24 heating modules (upper 12/lower 12), independent temperature control and switching

2. Control section

Siemens original PLC, stable performance of the whole machine

Advantech professional industrial control machine, WINDOWS 10 interface, Chinese and English Traditional and Simplified Chinese free switching.

3. Transmission section

Transmission speed: inorganic frequency converter speed regulation 0.3M-2.0M/Min, accuracy $\pm 2\text{mm/min}$

4. Cooling section

Axial fan forced air cooling (upper and lower double cooling)

5. Protection systems

Temperature overrun alarm, transmission speed overrun alarm

Built-in computer and transmission UPS



6. Parameters

Outer size: 6800*1300*1450MM

Main color: Ivory

Net weight: Approx. 2450KG

Exhaust air volume: 10m³/min×2 channels

Power: Starting power 80KW, working power 13-18KW

Heating up time: about 30mins

Temperature range: room temperature - 300° C

Mesh belt width: 500mm

Maximum overboard width: 400MM

Height of parts: 25mm top and 25mm bottom

Direction of transportation: left to right (right to left)

Transportation speed: 300-2000mm/min

Number of heating/cooling zones: Upper 12, lower 12 heating zones, upper 2/lower 2 cooling zones

Height of mesh belt from the ground: 900±20mm

Control system: WINDOWS 10 + industrial computer + PLC

Temperature control mode: PID closed-loop control + SSR drive

Temperature test line: 3 pcs

Temperature control accuracy: ±1°C

Transportation system: mesh belt + guide rail

Transportation control mode: frequency converter + imported transportation motor

7. Component parts list:

Name	Brand	place of origin
Solid State Relay	Ruilei	China
relay	OMRON	Japan
Relay holders	OMRON	Japan
UPS	Zhuhaishante	/
contactor	Zhengtai	China
PLC	Siemens	Germany
Temperature control module	Huichen	joint venture
heat pipe	Huanhuang	China
converter	Zhengxian	China
Transportation motor	PANASONIC	Japan
High Temperature Motor	Sanyue/Guanghui	China Taiwan



computer monitor	Guanjie	China
industrial computer	Yanjing	China
shielded wire	Luofu	China
Transportation dental box	PANASONIC	Japan
Galvanized wind wheel	Sanyue	China Taiwan
mesh belt	Chunben	Japan
Name	Brand	place of origin
Solid State Relay	Ruilei	China
Single-row long axle	KMC	China Taiwan
24V DC Power Supply	Meanwell	China Taiwan
single-pole switch	Zhengtai	China
air switch	Zhengtai	China
tricolor ligh	Ouen	China
limit switch	Zhengtai	China
electric actuator	Kangfeiya	China Taiwan
thermometer line	PAIKO	Japan
Pyrometer	K	Japan
24V DC Power Supply	Meanwell	China Taiwan
ventilator	Sanyue	China
oil cup	Youzhong	China Taiwan