

**S Series Lead Free Reflow Oven**



**Introduction:**

S series lead-free reflow oven is cost-effective welding equipment produced by ETA, mainly to deal with the application of small household appliances, LED, power panels and other products. S series reflow oven has won the favor of many customers for its high performance.

**Features:**

1. Control system: Computer or Instrument control, make sure machine working steadily.
2. Hot air heating: Both top and bottom zones hot air heating, good heater compensatory, High thermal efficiency, energy saving, speedy heating, suitable for soldering components like BGA, CSP etc. Special forced hot air circulation structure makes PCB and components heat evenly, Temperature Accuracy  $\pm 1.5\text{ }^{\circ}\text{C}$ , room temperature settling time less than 20 minutes.
3. PID intelligent precision controller, automatically control heating volume, fuzzy control function changes the external heating fast, and by internal control ensures more balanced temperature.
4. Use imported big current solid relay, without touch point output, safe, reliable, with special SSR radiator, greatly improve thermal efficiency and lifetime.
5. Temperature protection: ETA using third-party over-temperature protection, multiple layers protection to ensure safe operation.
6. Products comply with CE, CCC, UL and other standard or specifications.
7. User-friendly design: fault detection (such as heaters abnormal alarm, etc.), regular maintenance reminders, the economy functions and tool-free maintenance, reducing equipment failure rates.
8. With independent wheel support structure and even support, combined with a stainless steel mesh conveyor, steady running.
9. Independent cooling area ensures the low temperature when PCB comes out.
10. Transmission system use imported motors, speed adjuster, smoothly running, adjustable speed at 0-2000mm/min.
11. Main parts: Imported main parts ensure equipment runs smoothly and lower the maintenance cost.
12. Special durable stainless steel mesh belt, not out of shape with long term use.
13. On the Windows platform, it's convenient to save the temperature curve.

**TOP Advantage:**

1. Simple: combined with advanced international concepts, based on the Oriental-designed operating system, easy to understand, easy to learn, easy to maintain.
2. Expertise: learn imported reflow oven's advanced design concepts, and the machine core components are using imported top brands.
3. Hedging: Import hardware configuration, low failure rate in production, more than a decade service life.
4. Safety: Based on the general rules of international design, close to imported reflow rating, the highest security level.
5. Stable: mature software, hardware and top production processes ensures stability of each equipment.

**Specification:**

Specifications	S6	S6D	S8	S8D
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Dimension (L*W*H)mm	3400x800x1350		4150x850x1350	
Weight	Approx.739KG		Approx.850KG	
Number Of Heating Zones	Top6/Bottom6		Top8/Bottom8	
Length Of Heating Zones	2300mm		2600mm	
Power For Warm Up	12KW		15KW	
Power Consumption	5KW		6KW	
Transmission Agent	Mesh	Mesh+Rail	Mesh	Mesh+Rail
Fixed Rail Side	N/A	Front (Option:Rear)	N/A	Front (Option:Rear)
Control System	Instrument	PLC+Computer	Instrument	PLC+Computer
PLC	Siemens			
Rail Number	1 Lane			
Rail Width Adjustment	M(Option:Auto)			
Conveyor Direction	L→R (Option: R→L)			
Exhaust Volume	10M <sup>3</sup> /minx2 Exhausts			
Electric Supply Required	3phase,380V 50/60Hz			
Warming Time	Approx.25 minute			
Temp. Setting Range	Room Temp.-- 300 °C			
Oil Supply	A and M(Multi mode)			
Cooling Method	Fan (Option:Forced-Air Motor)			
Max.Width Of PCB	Rail:350mm,Mesh:400mm (Option:480mm)			
Temperature Deviation	± 1.0 °C			
Convey Height	900+/-20mm			
Length Of Cooling Zones	300mm			
Center Support	Option			
Conveyor Speed Range	300~2000mm/min			
Ups	Standard			
Temperature Control Method	PID + SSR			
Max. Temp. Gap Setting	120 °C			
Process Data & Status Storage	Standard			
Temperature Alarm	Standard			

**Configuration:**

Name	Brand	Note	Brand	Note
Computer	Lenovo	China	Phoenix	USA
Display	Lenovo	China	Schneider	France
PLC	Siemens	Germany	Koino	Korea
Solid Relay	CARLOGAVAZZI	Switzerland	Delta	Taiwan
Contactora	Schneider	France	DELIXI	China
Wire	Jin Longyu	China	DELIXI	France
Air switch	DELIXI	China	Schneider	France
Power Supply	MW	Taiwan	STK	USA
Transmission motor	Panasonic	Japan	Hotset	Germany

High temperature fan	Sanyue	Taiwan	Jianzhun	Taiwan
Guide rail	ETA	China	TSUBAKI	Japan
Chian shackle	KMC	Taiwan	Panasonic	Japan

**Standard Accessories:**

1	Computer	1 set
2	Operation Software	1 set
3	Heating	1 pcs
4	Mixing knife	1 pcs
5	Fuse	1 pcs
6	Relay	2 pcs
7	Solid State Relay	1 pcs
8	K-type Test Line	1 pcs
9	Manual	1 book
10	Tool Case	1 set

\* Attachments may change with product upgrade. If different, please follow the new list.

**Thanks for choosing ETA.**  
**ETA looks forward to win-win cooperation.**  
**Thank you.**