



SUNEAST
日东科技



- Windows operation interface, support windows7
- Freely switch between Chinese and English simplified, simple operation
- Perfect function of temperature profile analysis, storage and calls
- Operator password, operating log
- Operating parameter digital dynamic display

Lead-free hot air reflow oven

HIGH ENERGY EFFICIENCY
LOW ENERGY CONSUMPTION
EVEN HEAT DISTRIBUTION



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资料仅供参考, 一切以合同所定内容为最终规格本产品资料更改恕不另行通知

www.suneast.com.cn

公司简介

Company profile

Founded in Hong Kong in 1984, Suneast technology established its industrial park in Shenzhen in 1999 and listed on the main board of Hong Kong stock exchange in 2000 (Stock Code: 0365. HK), which is the core enterprise under Sino ICT Holdings Limited.

With modern industrial parks and advanced R&D facilities, Suneast technology has strong system integration capabilities in R&D, design, production, automation and information equipment manufacturing. Its sales network is all over the world. Suneast technology has been achieved technical strategic cooperation with Tsinghua University, Chinese University of Hong Kong, Hong Kong University of Science and Technology and Harbin Institute of Technology, and its R&D capabilities has reached the advanced level at home and abroad.

In the core area of Guangdong-Hong Kong-Macao Greater Bay Area, Suneast technology has served semiconductor back-end application customers for more than 35 years, its downstream and end customers include Huawei, ZTE, TCL, Hikvision, MLS LIGHTING, DBG, DESAYSV AUTOMOTIVE, SHENZHEN MTC, JFLED, etc.

The independent R&D products, like reflow oven, wave soldering machine, selective soldering machine, vertical oven, printer and etc has always maintained a leading position in technology, and provided professional electronic equipment solutions for many well-known enterprises at home and abroad. The dual drive gantry synchronous follow linear motor technology has been successfully applied to a number of high-speed and high-precision equipment manufacturing and processing fields, and gains great praise by users. The new semiconductor packaging equipment, like chip bonder is the masterpiece of Suneast technology, which helps the development of domestic chip industry. Today, Suneast technology has become the leader of China's intelligent equipment industry.

As the core enterprise of Sino ICT Holdings, Suneast technology will strengthen the strategic goal of the group and become a world-class enterprise in the field of high technology.



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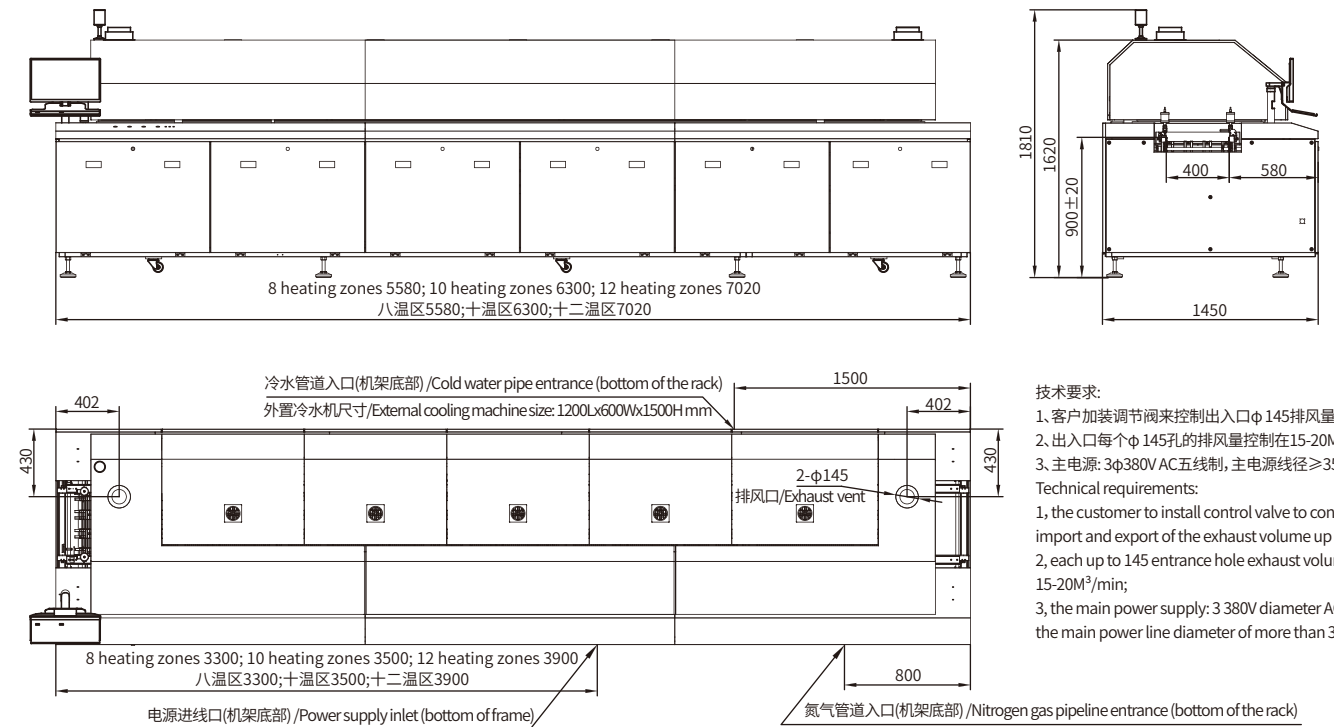
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UXT系列产品特点

UXT SERIES PRODUCT FEATURES



- High heat energy, low energy consumption, high power motor matching wind wheel, theoretical and practical verification; under the same conditions set, can ensure the small and large components to achieve the minimum heat absorption difference, and achieve the best thermal balance;
- The latest thermal insulation technology and the new furnace structure design can effectively reduce the furnace surface temperature and reduce the heat loss;
- Imported PLC program controller, stable and reliable performance, high precision of temperature control and curve repetition;
- Double-sided guide rail with special hardening treatment, strong and durable, repeatable use, cost saving up to 50%;
- Online maintenance of rosin recycling system, modular design, convenient maintenance, reduce maintenance time;
- Patented hot air system, hot air convection conduction more efficient, faster heat compensation;
- Built-in real-time monitoring system of furnace temperature, which can automatically generate furnace temperature curve (option);
- Intelligent data can be traced and uploaded to MES system.



Manual + electric width adjustment structure design, equipped with emergency manual transmission structure in case of preventing PCB burned when power off.

Heating module design is easy for maintenance and cleaning. Front and rear re-flow design could insulate the heating effect between heating zones in order to achieve the accuracy temperature and longer life-time of hot-air-flow motors. Also by the frequent control of motors, the speed of air flow could be adjusted.



High stability control system, powerful function.

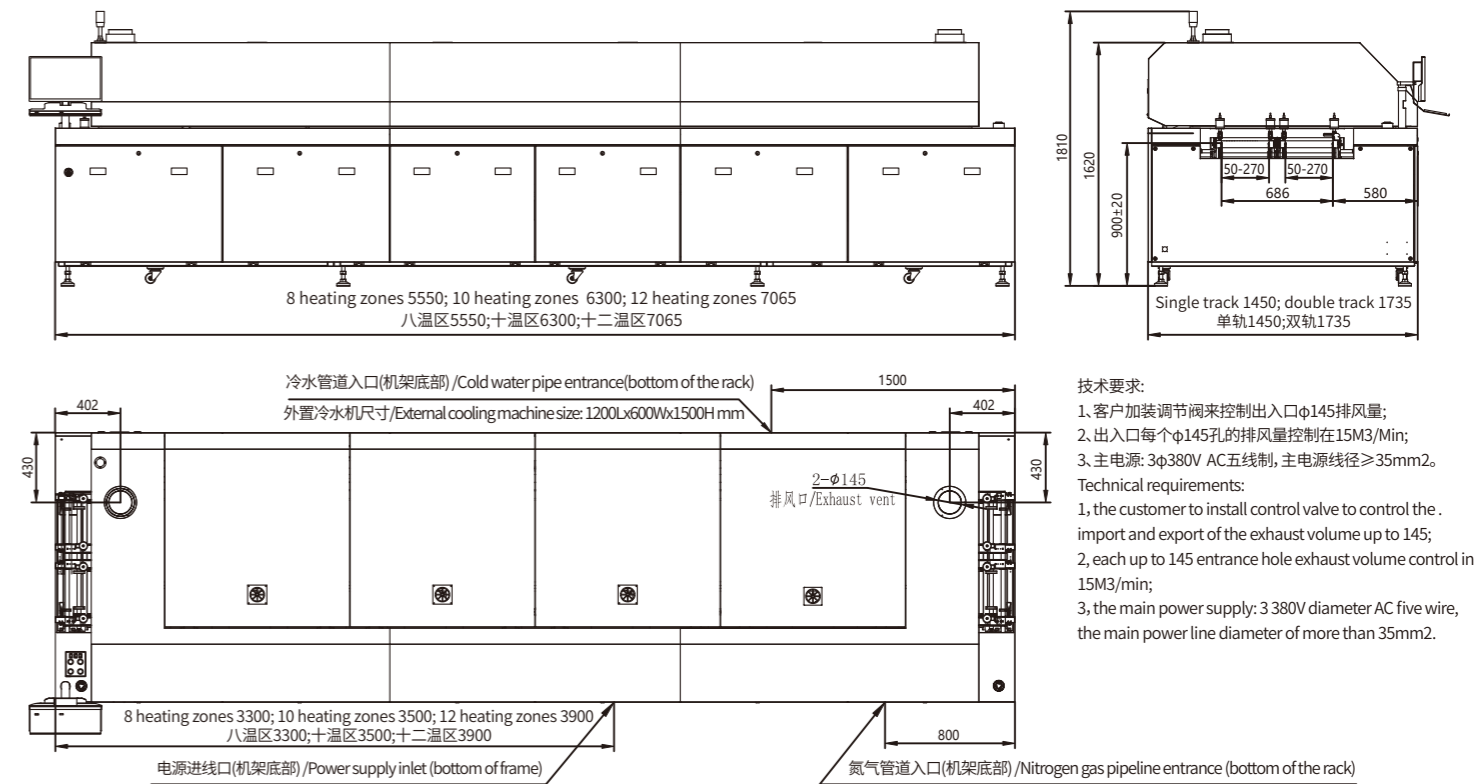
Special adjustable width and transmission design can ensure stable and reliable PCB transmission by anti-jammed chain.

UXT系列回流焊主要规格参数 UXT series reflow oven main specifications			
型号/Model No	UXT-808A / UXT-808N	UXT-810A / UXT-810N	UXT-812A / UXT-812N
加热部分 / Heating System			
温区配置 / Heating Zone	8温区, 16加热模块 8 heating zones, 16 heating modules	10温区, 20加热模块 10 heating zones, 20 heating modules	12温区, 24加热模块 12 heating zones, 24 heating modules
加热区长度 / Heating Length	2950mm	3670mm	4390mm
冷却方式 / Cooling Type	三冷却区:强制风冷/水冷 Three cooling zones:forced air cooling/water cooling		
排风口直径,排量 Outlet Exhaust Diameter, volume	2-Ø145,排风量要求15-20m ³ /min x2 2-Ø145,Exhaust demand 15-20m ³ /min x2		
运输部分 / Conveyor System			
基板宽度尺寸 / Product Width	min50mm-max400mm		
运输方向 / Conveying Direction	左→右, 右→左/L→R, R→L		
运输带高度 / Inlet Height	900±20mm		
导轨固定方式 / Fixed Rail Side	/Front rail Fixed (选配:后端固定/Option:Rear Rail Fixed)		
传送方式 / Conveyor Type	/Chain + mesh with synchronous conveying		
基板元件高度 / Component Height	以链条加长轴为基准:+30mm;-25mm/Clearance above 30mm,Clearance below 25mm		
传送速度 / Conveying Speed	300mm-2000mm/min		
控制部分 / Control System			
电源 / Power Supply	AC3Ø 5W 380V 50/60HZ		
总功率 / Total Power	57KW	71KW	89KW
启动功率 / Start Up Power	30KW	35KW	40KW
正常运行功率 / Running Power	7.5KW	9.5KW	11.5KW
工作温度范围 / Temperature Range	室温-320°C/Room temperature 320°C		
控制方式 / Control type	PC+PLC控制系统 /PC+PLC Control system		
导轨调宽方式 / Rail Width Adjusting Mode	电动+手动/Electric+Manual		
温度控制精度 / Temp Control accuracy	±1°C		
PCB板温分布偏差 / PCB Temp Deviation	±1°C		
设置参数存储 / Data Storage	可存多种设置参数/Process Data and status record		
停电保护 / Power Outage Protection	UPS延时关机/Equipped with UPS		
操作界面 / Operation Interface	Windows中文简体,英文在线自由切换 Windows Chinese simplified, English online free switching		
机体参数 / General			
外形尺寸 / Dimension(LxWxH)	5580x1450x1620mm	6300x1450x1620mm	7020x1450x1620mm
重量 / Weight	2300-2500kg	2700-2900kg	3100-3300kg
外观颜色 / Color	光亮皱纹白 /Bright wrinkled white		



SST系列产品特点

SST SERIES PRODUCT FEATURES



- Durable, interchangeable double-sided rails and special hardening;
- Adopt stainless steel belt chain with guard, anti-clamp, practical and reliable;
- New flux recovery system, full modular design, convenient and quick maintenance, reduce maintenance time and cost;
- Patented hot air system, more efficient, faster heat compensation;
- New furnace structure design, multi-layer heat insulation, effectively reduce the working environment temperature.

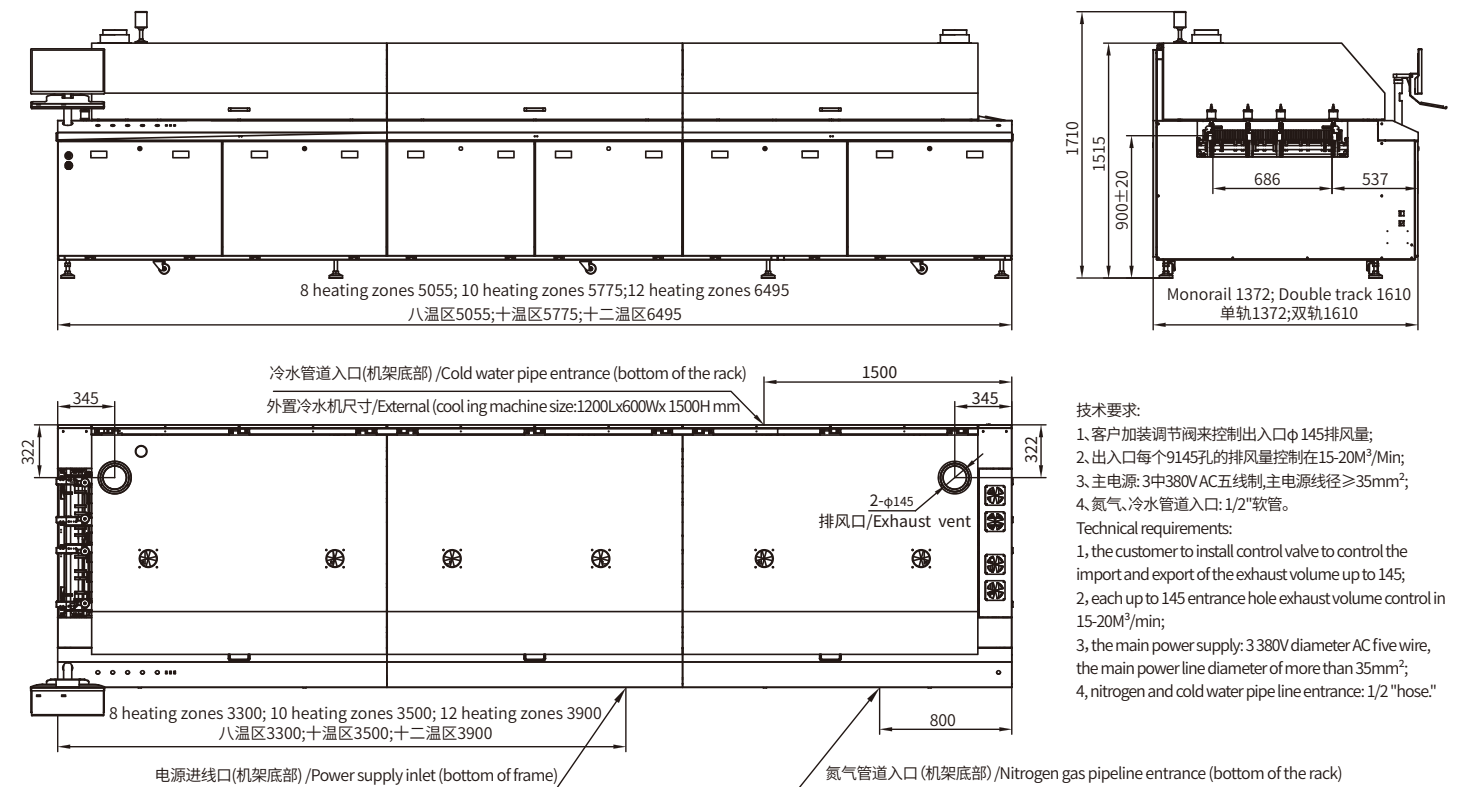
SST系列回流焊主要规格参数 SST series reflow oven main specifications

型号/Model No	SST-08A / SST-08N	SST-10A / SST-10N	SST-12A / SST-12N	SST-08DA / SST-08DN	SST-10DA / SST-10DN	SST-12DA / SST-12DN
加热部分 / Heating System						
Heating Zone	8温区, 16加热模块 8 heating zones, 16 heating modules	10温区, 20加热模块 10 heating zones, 20 heating modules	12温区, 24加热模块 12 heating zones, 24 heating modules	8温区, 16加热模块 8 heating zones, 16 heating modules	10温区, 20加热模块 10 heating zones, 20 heating modules	12温区, 24加热模块 12 heating zones, 24 heating modules
Heating Length	3120mm	3870mm	4635mm	3120mm	3870mm	4635mm
冷却方式 / Cooling Type	Three cooling zones:forced air cooling/water cooling					
排风口直径, 排量 Outlet Exhaust Diameter, volume	2-Ø145, Exhaust demand 15m ³ /min x2					
运输部分 / Conveyor System						
基板宽度尺寸 / Product Width	min50mm-max400mm			min50mm-max270mm min50mm-max500mm		
运输方向 / Conveying Direction	L→R, R→L					
运输带高度 / Inlet Height	900±20mm					
导轨固定方式 / Fixed Rail Side	Front rail Fixed (Option:Rear Rail Fixed)			Front and Rear Rails Fixed, central two rails are movable.		
传送方式 / Conveyor Type	Chain + mesh belt synchronous transmission					
基板元件高度 / Component Height	/Clearance based on the rail: above 30mm,below 25mm					
传送速度 / Conveying Speed	300mm-2000mm/min					
控制部分 / Control System						
电源 / Power Supply	AC3Ø 5W 380V 50/60HZ					
总功率 / Total Power	59KW	73KW	91KW	70KW	89KW	108KW
启动功率 / Start Up Power	30KW	35KW	40KW	35KW	40KW	45KW
正常运行功率 / Running Power	7.5KW	9.5KW	11.5KW	10KW	11.5KW	13KW
工作温度范围 / Temperature Range	Room temp to 320°C					
控制方式 / Control type	PC+PLC Control system					
导轨调宽方式 / Rail Width Adjusting Mode	Electric+Manual					
温度控制精度 / Temp Control accuracy	±1°C					
PCB板温分布偏差 / PCB Temp Deviation	±1°C			±2°C		
设置参数存储 / Data Storage	Process Data and status storage					
停电保护 / Power Outage Protection	Equipped with UPS					
操作界面 / Operation Interface	Windows Chinese simplified, English online free switching					
机体参数 / General						
外形尺寸 / Dimension(LxWxH)	5550x1450x1620mm	6300x1450x1620mm	7065x 1450x1620mm	5550x1735x1620mm	6300x1735x1620mm	7065x1735x1620mm
重量 / Weight	2200-2400kg	2600-2800kg	3000-3200kg	2700-2900kg	3000-3200kg	3300-3500kg
外观颜色 / Color	Bright wrinkled white					

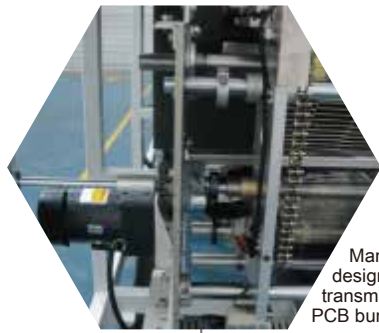


SER系列产品特点

SER SERIES PRODUCT FEATURES



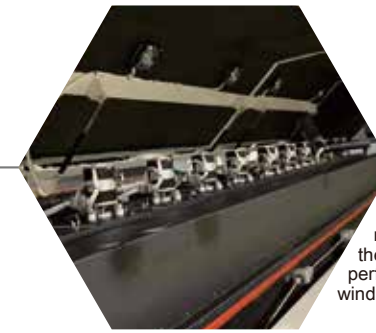
- High heat energy: professional heat energy supply theoretical basis, through matching the appropriate heating power and volume to ensure large heat energy supply. Sufficient thermal energy to generate optimal thermal efficiency, maximize the productivity in short heating zones.
- Low energy consumption: theoretical design and practical testing, through customer verification, obtain the best repeatability results CPK value, get the lowest energy consumption in the factory site.
- Thermal equalization: theoretical and practical verification, ensure to achieve the minimum heat absorption difference between small and large components with the same speed, the same temperature setting, achieve the best equilibrium.
- Large size: can handle larger size PCB in the same size machine; double tracks machine can produce PCB with 300 mm in width at the same time, and PCB with 550mm in width with single track setting, which can meet the demand of many customers.



Manual + electric width adjustment structure design, equipped with emergency manual transmission structure in case of preventing PCB burned when power off.



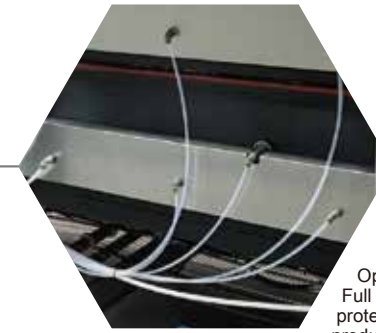
Conveyor system: stable and reliable anti-deformation structure design.



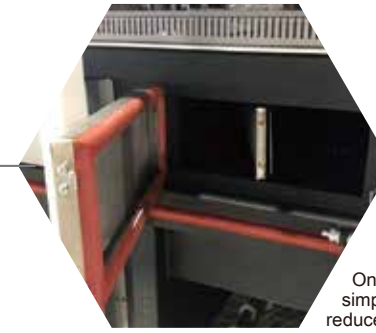
Modular structure, easy to clean and maintain. Front and rear air return design, effectively prevent the influence of air flow between the zones, ensure accurate temperature control. Long life high performance hot air motor. Frequency converter control, wind speed adjustable hot air motor.



High-precision nitrogen flow agent and oxygen content analyzer can accurately control the nitrogen flow, and can be equipped with a nitrogen closed-loop control system to achieve low nitrogen consumption and low-cost production



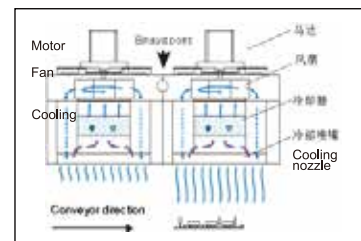
Option: full nitrogen filling
Full nitrogen filling is optional, multi-directional protection product welding quality, to improve production efficiency.



Online maintenance rosin recovery system, simple operation, convenient and fast, effectively reduce customer production costs.



Built-in temperature profile test function, virtual simulation function, save setting time.



Cooling system, new patented structure design, forced air cooling and water cooling structure which can be upgraded and exchanged; Convenient and fast maintenance; Cooling area temperature display is adjustable.



Two cooling zones

SER series reflow oven main specifications											
型号/Model No	SER-708AH	SER-708H	SER-708NH	SER-710AH	SER-710H	SER-710NH	SER-712AH	SER-712H	SER-712NH	SER-706AH	
加热部分 / Heating System											
温区配置 / Heating Zone	8 heating zones, 16 heating modules		10 heating zones, 20 heating modules			12 heating zones, 24 heating modules			6温区, 12加热模块 6 heating zones, 12 heating modules		
加热区长度 / Heating Length	2950mm		3670mm			4350mm			2230mm		
冷却方式 / Cooling Type	双冷却: 强制风冷/水冷 (选配: 三个冷却区)					Double cooling: enforced air cooling/water cooling (Optional: three cooling zones)				双冷却: 强制风冷 Double cooling: forced air cooling	
排风口直径, 排量 Outlet Exhaust Diameter, volume	2-φ145, 排风量要求15m ³ /min x2				2-φ145, Exhaust demand 15m ³ /min x2						
运输部分 / Conveyor System											
基板宽度尺寸 / Product Width	min50mm-max400mm										
运输方向 / Conveying Direction	左→右, 右→左 / L→R, R→L										
运输带高度 / Inlet Height	900±20mm										
导轨固定方式 / Fixed Rail Side	前端固定/Front rail Fixed					(选配: 后端固定/Option: Rear Rail Fixed)					
传送方式 / Conveyor Type	链条+网带同步传送					/Chain + mesh belt synchronous transmission					
基板元件高度 / Component Height	以链条加长轴为基准: +30mm;-20mm					/Clearance based on the rail: above 30mm,below 20mm					
传送速度 / Conveying Speed	300mm-1500mm/min										
控制部分 / Control System											
电源 / Power Supply	AC3Ø 5W 380V 50/60HZ										
总功率 / Total Power	57KW		71KW			89KW			45KW		
启动功率 / Start Up Power	30KW		35KW			40KW			30KW		
正常运行功率 / Running Power	7.5KW		9.5KW			11.5KW			6KW		
工作温度范围 / Temperature Range	室温-320°C/Room temperature to 320°C										
控制方式 / Control type	PC+PLC控制系统/PC+PLC Control system										
导轨调宽方式 / Rail Width Adjusting Mode	电动+手动/Electric+Manual										
温度控制精度 / Temp Control accuracy	±1°C										
PCB板温分布偏差 / PCB Temp Deviation	±1°C										
设置参数存储 / Data Storage	可存多种设置参数					/ Process Data and status stotage					
停电保护 / Power Outage Protection	UPS延时关机/Equipped UPS										
操作界面 / Operation Interface	Windows中文简体, 英文在线自由切换					/ Windows Chinese simplified, English online free switching					
机体参数 / General											
外形尺寸 / Dimension(LxWxH)	5055x1372x1515mm		5775x1372x1515mm			6495x1372x1515mm			4335x1372x1515mm		
重量 / Weight	2000-2200kg		2400-2600kg			2800-3000kg			1600-1800kg		
外观颜色 / Color	光亮皱纹白/Bright wrinkled white										

系列回流焊主要规格 SER series reflow oven main specifications

型号/Model No	SER-708AH双轨 Dual Rails	SER-708H双轨 Dual Rails	SER-708NH双轨 Dual Rails	SER-710AH 双轨 Dual Rails	SER-710H双轨 Dual Rails	SER-710NH双轨 Dual Rails	SER-712AH双轨 Dual Rails	SER-712H双轨 Dual Rails	SER-712NH双轨 Dual Rails
加热部分 / Heating System									
温区配置 / Heating Zone	8温区, 16加热模块 8 heating zones, 16 heating modules			10温区, 20加热模块 10 heating zones, 20 heating modules			12温区, 24加热模块 12 heating zones, 24 heating modules		
加热区长度 / Heating Length	2950mm			3670mm			4350mm		
冷却方式 / Cooling Type	Double cooling:enforced air cooling/water cooling (Optional: three cooling zones)								
排风口直径,排量 Outlet Exhaust Diameter,valume	2-φ145,Exhaust demand 20m ³ /min x2								
运输部分 / Conveyor System									
基板宽度尺寸 / Product Width	min50mm-max270mm(simultaneously)/(Optional:Simultaneous overboard max300mm) min50mm-max500mm(single track)/(Optional: single track over board max550mm)								
运输方向 / Conveying Direction	左→右, 右→左 / L→R, R→L								
运输带高度 / Inlet Height	900±20mm								
导轨固定方式 / Fixed Rail Side	Front and Rear End Rails Fixed, 2 Central Rail adjustable								
传送方式 / Conveyor Type	Chain + mesh belt synchronous transmission								
基板元件高度 / Cmpnent Height	Clearance based on the rail: above 30mm,below 20mm								
传送速度 / Conveying Speed	300mm-1500mm/min (选配: 双速度/Option: Double Speed)								
控制部分 / Control System									
电源 / Power Supply	AC3Ø 5W 380V 50/60HZ								
总功率 / Total Power	70KW			89KW			108KW		
启动功率 / Start Up Power	35KW			40KW			42KW		
正常运行功率 / Running Power	10KW			11.5KW			13KW		
工作温度范围 / Temperature Range	Room temperature to 320°C								
控制方式 / Control type	PC+PLC Control system								
导轨调宽方式 / Rail Width Adjusting Mode	Electric+Manual								
温度控制精度 / Temp Control accuracy	±1 C								
PCB板温分布偏差 / PCB Temp Deviation	±2 C								
设置参数存储 / Data Storage	Process Data and status stotage								
停电保护 / Power Outage Protection	Equipped with UPS								
操作界面 / Operation Interface	Windows Chinese simplified, English online free switching								
机体参数 / General									
外形尺寸 / Dimension(LxWxH)	5055x1610x1515mm			5775x1610x1515mm			6495x1610x1515mm		
重量 / Weight	2500-2700kg			2900-3100kg			3300-3500kg		
外观颜色 / Color	光亮皱纹白/Bright wrinkled white								