

深圳市鑫鑫电子设备有限公司
SHENZHEN CHUXIN ELECTRONIC EQUIPMENT CO., LTD

深圳总部
Shenzhen Headquarters

地址: 深圳市宝安区航城街道鹤洲洲石路北二路深业U中心B栋1701.1706室

Address: Room 1701 1706, Building B, Shenye U Center, Interchange Between Zhoushi Road and North 2nd Road, Xixiang Street Interchange Baoan District, Shenzhen, Guangdong, China

电话/Tel: 86-755-27711561/29878488

网址/Web: www.chuxin-smt.com 邮箱/E-mail: chuxin-flux@163.com

江门工厂
JIANGMEN Factory

地址: 江门市江海区云沁路143号

Address: No.143 Yungin Road Jianghai District Jiangmen China

电话/TEL: 0750-2632561 邮箱/E-mail: chuxin-flux@163.com

华东分公司
East China Office

地址: 江苏省苏州市吴江区庞南路998号3号楼2栋

Address: Building 2, Phase III, No.998, Pangnan Road, Wujiang District, Suzhou City, Jiangsu, China

电话/Tel: 86-512-63161359

越南分公司
Vietnam Office

地址: 越南北宁省北宁市武强区李英宗路103号

Address: So 103 duong ly anh tong phuong vo cuong, Bac ninh, Viet Nam

电话/Tel: 84-9-72529058/84-8-23783558

西南办事处
Southwest Office

地址: 重庆市璧山区金剑路金桂园2栋8单元4-1

Address: 2 Building 8 Units 4-1, Jinguiyuan, Bishan, Jinjian Road, Chongqing City, China

电话/Tel: 86-23-41438882

华北办事处
North China Office

地址: 山东省潍坊市奎文区乐川街盛世香榭里18号楼2601室

Address: Room 2601, Building 18, Shengshi Xiangxieli, Lechuan Street, Kuiwen District, Weifang City, Shandong, China

电话/Tel: 18953651825/13537139854



深圳市鑫鑫电子设备有限公司
SHENZHEN CHUXIN ELECTRONIC EQUIPMENT CO., LTD



Catalogue

目录

01

About Chu Xin 关于鑫鑫

Company Profile 公司简介	01
Honorary Qualification 荣誉资质	03
Honorary Qualification 发展历程	05

02

Main Equipment 主要设备

Air Reflow Oven 空气回流焊	07
Nitrogen Reflow Oven 氮气回流焊	09
Vacuum Reflow Soldering 真空回流焊	13
Wave Soldering 波峰焊	17
Selective Wave Soldering 选择性波峰焊	19
Automatic Sprayer 自动喷雾机	23
Vertical Hot Air Curing Oven 垂直热风固化炉	25
Material Frame Vertical Hot Air Curing Oven 料框式垂直热风固化炉	27

03

Peripheral Equipment 周边设备

SMT Equipment SMT周边设备	29
Cooperative Customer 合作客户	45
Business Scope 业务范围	47

成立于
Founded in

1997年

深圳市鑫鑫电子设备有限公司成立于1997年，是一家致力于成为电子元件表面黏着焊接设备及传输设备行业领导者的研发与制造型国家高新技术企业；产品线概括电子元件表面黏着焊接回流焊、水平式与立式固化炉、选择性波峰焊、穿孔焊接波峰焊、SMT整线传输设备以及定制自动化设备研发及制造。

鑫鑫从2002年开始进行无铅制程设备的研究，成功开发出适用于无铅制程的PCB板装联设备，同时尽最大努力将客户的使用成本降至最低。

我们本着“永续经营”的经营理念与“客户至上、质量先行、诚信服务、精益求精”的服务理念不断的进步；我们将继续在先进的领域中不断挑战，用高质量的产品和服务满足客户不断增长的需求。

Shenzhen Chu Xin Electronic Equipment Co., LTD., founded in 1997, is a national high-tech enterprise committed to becoming a leader in the R&D and manufacturing of electronic component surface adhesive welding equipment and transmission equipment industry. Product line overview Electronic component surface adhesion reflow welding, horizontal and vertical curing furnace, selective wave soldering, perforated welding wave soldering, SMT full line transmission equipment and custom automation equipment development and manufacturing.

Chu Xin has been conducting research on lead-free process equipment since 2002, and has successfully developed PCB board mounting equipment suitable for lead-free process, while doing its best to minimize the customer's use cost.

We are in line with the "sustainable management" business philosophy and "customer first, quality first, integrity service, excellence" service concept continuous progress; We will continue to challenge in advanced fields and meet the growing needs of our customers with high-quality products and services.

致力于电子元件表面黏着焊接设备 及传输设备的研发与制造

Devoted to the research and manufacture of electronic component surface adhesion, welding equipment and transmission equipment



Quality Promise

质量承诺

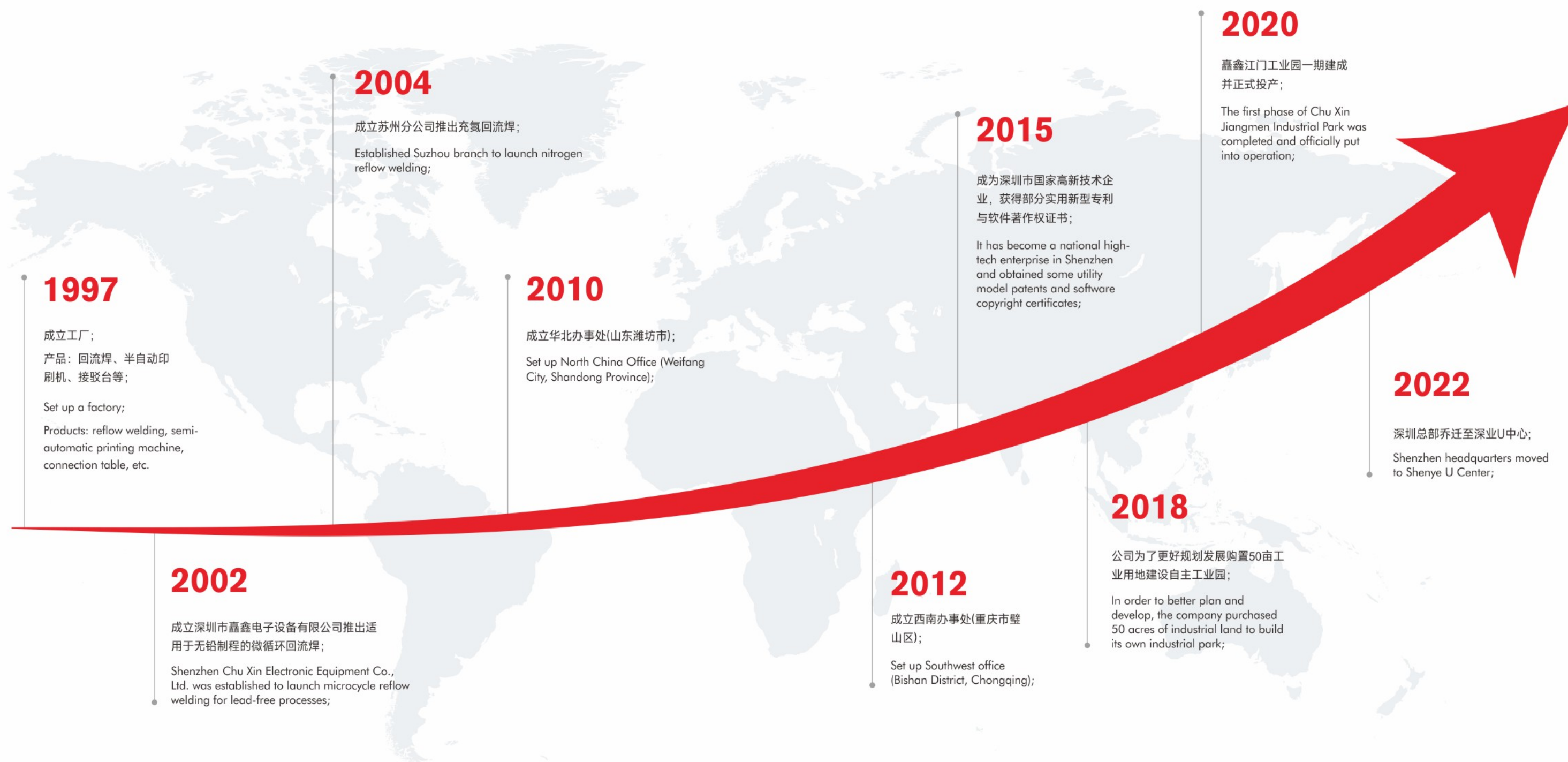
严格执行ISO9001:2000 质量标准
Strict execution ISO9001:2000 Quality Standard

Management goal

管理目标

卓越的品质，一流的服务
Excellent quality, first class service







特点 Features

- Windows11操作系统，界面可中英文自由切换；
- 西门子PLC + PID闭环控制，炉温可实时监测；
- 炉内热气体交换效率高，满足各类无铅焊接工艺要求。

- Windows 11 operating system, with interface freely switchable between Chinese and English.
- Siemens PLC + PID closed-loop control, enabling real-time monitoring of furnace temperature.
- High efficiency of hot gas exchange inside the furnace, meeting the requirements of various lead-free soldering processes.



中央支撑系统(选配)
Central Support System(optional)



电控装置
Electronic Control Device



炉温实时监测系统(选配)
Furnace Temperature Real-time Monitoring System(optional)



特点 Features

- Windows11操作系统，界面可中英文自由切换；
- 西门子PLC + PID闭环控制，炉温可实时监测；
- 炉内热气体交换效率高，满足各类无铅焊接工艺要求。

- Windows 11 operating system, with interface freely switchable between Chinese and English.
- Siemens PLC + PID closed-loop control, enabling real-time monitoring of furnace temperature.
- High efficiency of hot gas exchange inside the furnace, meeting the requirements of various lead-free soldering processes.



中央支撑系统(选配)
Central Support System(optional)



电控装置
Electronic Control Device



炉温实时监测系统(选配)
Furnace Temperature Real-time Monitoring System(optional)

规格 Specifications

型号/ Model	VS-0802/DS-800 VS-0802-N	VS-1003/DS-1000 VS-1003-N	VS-1204/DS-1200 VS-1204-N	VS-0802D/DS-800D VS-0802D-N	VS-1003D/DS-1000D VS-1003D-N	VS-1204D/DS-1200D VS-1204D-N
机器规格/Machine specification						
尺寸/Size:(mm)(L*W*H)	5300*1420*1520	6567*1420*1520	7733*1420*1520	5300*1640*1520	6567*1640*1520	7733*1640*1520
重量/Weight(KG)	2650/2950	2850/3150	3050/3350	2950/3250	3150/3450	3350/3650
温区构成/ Temperature zone	Top8.Bottom8/ length4362	Top10.Bottom10/ length5463	Top12.Bottom12/ length6521	Top8.Bottom8/ length4362	Top10.Bottom10/ length5463	Top12.Bottom12/ length6521
冷区数量/ Number of cold zones	Top2.Bottom0/ Top2.Bottom2	Top3.Bottom0/ Top3.Bottom3	Top4.Bottom0/ Top4.Bottom4	Top2.Bottom0/ Top2.Bottom2	Top3.Bottom0/ Top3.Bottom3	Top4.Bottom0/ Top4.Bottom4
冷区长度/Length of Cold zones(mm)	685	1040	1430	685	1040	1430
控制系统/Control system						
电源要求/ Power requirement	3Φ 380V 50Hz					
启动、正常工作功率/ Startup, normal operating power	30KW 9KW 32KW 10KW	36KW 10KW 38KW 11KW	40KW 11KW 42KW 12KW	30KW 32KW 11KW 12KW	36KW 35KW 12.5KW 13.5KW	40KW 42KW 14KW 15KW
温度精度/Temperature accuracy	±1°C					
控温方式/Temperature control method	PID闭环控制 PID closed-loop control+SSR驱动 SSR drive					
运输系统/Transportation system						
最大过板宽度/ Maximum plate width(mm)	400(可选配 Optional 610)		2-280(可选配 Optional 2-300)			
导轨宽度调节范围/ Rail width adjustment range(mm)	50-400(可选配 Optional 50-610)		50-280(可选配 Optional 50-300)			
运输方向/ Transportation direction	L to R (可选配 Optional R to L)					
运输速度/Transportation speed	200~2000mm/min					
运输过板高度/Transport plate height(mm)	900±15					
自动润滑系统/ Automatic lubrication system	标配润滑油自动加注与手动加注功能 Standard lubricant automatic filling and manual filling function					
氮气系统/Nitrogen system						
耗氮量/Nitrogen consumption	20-25m³/hr@300-1000ppm		25-30m³/hr@300-1000ppm			

选配中央支撑的回流焊无网带运输功能 Optional central support reflow oven without mesh belt transport
 双轨机型标配为双轨同速, 可选配双轨异速 Dual-track model come standard with dual-track all-speed, optional dual-track speed



致力于电子元件表面黏着焊接设备及传输设备的研发与制造

Devoted to the research and manufacture of electronic component surface adhesion, welding equipment and transmission equipment



特点 Features

- 高真空低气泡，降低产品焊接面的空洞率；
- 湿润性高，改善焊接质量；
- 优化焊接参数和工艺，提高生产效率。
- High vacuum with low bubbles, reducing voids in the soldering surface.
- High wettability, improving soldering quality.
- Optimized soldering parameters and processes, enhancing production efficiency.



含氧分析仪
Oxygen analyzer



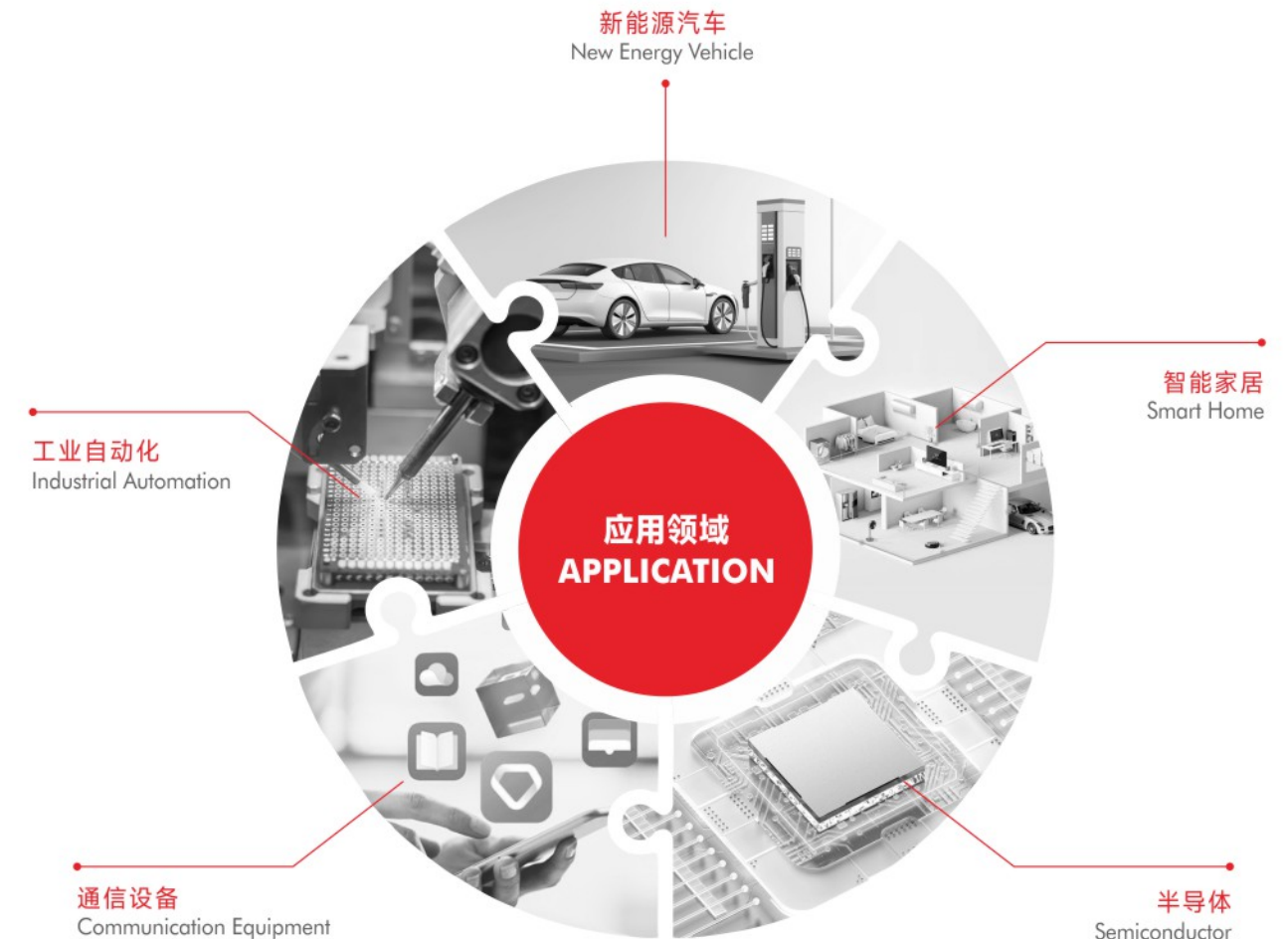
自动加油装置
Automatic refueling device



真空腔
Vacuum Chamber

规格 Specifications

型号 /Model	VTS-1013-N
机器规格 /Machine specification	
外形尺寸 /Overall dimension(mm)(L*W*H)	6567*1420*1520
过板尺寸 /Plate size(mm)(L*W)	70*50-300*350
加热区数量 /Number of heating zones	9
加热区长度 /Length of heating zone	3420
冷却区数量 /Number of cooling zones	上3 Top 3
冷却方式 /Cooling mode	水冷-外置冷水机 /Water cooling - external chiller
工艺边 /Process edge	标准5mm, 可定制 /Standard 5mm, customizable
过板高度 /Overpass height	板上25mm, 板下15mm /25mm above the board, 15mm below the board
控制系统 /Control system	
控制方式 /Control mode	PC+西门子PLC /PC+ Siemens PLC
温控方式 /Temperature control mode	PID+SSR
温控范围 /Temperature control range	常温-350°C /Room temperature -350°C
温控精度 /Temperature control accuracy	±1°C
升温时间 /Warming time	≤30min
热传导方式 /Mode of heat conduction	热风独立温区循环, 变频调速 Hot air independent temperature zone circulation, frequency conversion speed regulation
启动/正常运行功率 /Start-up/normal operating power	启动: 45KW、正常运行15KW /Start: 45KW, normal operation 15KW
断电保护 /Power-off protection	UPS续航运行 /UPS runs continuously
MES数据 /MES data	可二次开发 /Reusable development
传输参数 /Transmission parameter	
传输方式 /Transmission mode	链条 /Chain
控制方式 /Control mode	加热区及真空段伺服+冷却区变频 /Heating area and vacuum servo frequency conversion + cooling zone
传输速度 /Transmission speed	200-2400mm/min
传输高度 /Transmission height	900±20
传输方向 /Transmission direction	L-R/R-L
真空参数 /Vacuum parameter	
真空区数量 /Number of vacuum zones	1
极限真空压力 /Limiting vacuum pressure	10-100pa
真空抽速 /Vacuum pumping speed	60立方/小时, 可调节 /60 cubic meters per hour, adjustable
焊接最小节拍 /Vacuum welding minimum beat	25Sec(动作时间可设定 /Action time can be set)
释放方式 /Release mode	氮气快速释放 /Rapid nitrogen release
真空腔运行方式 /Vacuum cavity operation mode	伺服控制 /Servo control
真空区轨道 /Vacuum orbit	伺服调宽窄 /Servo width adjustment
助焊剂回收系统 /Flux recovery system	真空区独立回收装置 /Vacuum area independent recovery device
氮气装置 /Nitrogen plant	
充氮方式 /Nitrogen charging mode	全区充氮, 真空区采样 /In the nitrogen inflator, empty space sampling
氮气流量 /Nitrogen flow rate	100-1000ppm @35立方/小时, 氮气纯度99.999%/100-1000ppm@35 m³/h, nitrogen purity 99.999%



致力于电子元件表面黏着焊接设备及传输设备的研发与制造

Devoted to the research and manufacture of electronic component surface adhesion, welding equipment and transmission equipment

特点 Features

- Windows11操作系统，界面可中英文自由切换；
- 标配三段独立抽屉式全热风预热区，减少温差以此改善产品品质；
- 模块化设计，灵活适配多种工艺技术。
- Windows 11 operating system, with an interface that supports free switching between English and Chinese.
- Standard configuration includes a three-section independent drawer-type full hot air preheating zone, reducing temperature differences to improve product quality.
- Modular design, offering flexible adaptation to various process technologies.



规格 Specifications

型号/Model	SA-350	SA-450
基板尺寸/PCB size(mm)	Max350	Max450
传输速度/Transfer speed(mm/min)	400~1800	400~1800
预热器功率/Preheater power(KW)	21.6	21.6
锡炉功率/Tin furnace power(KW)	18	18
锡炉温度/Tin furnace temperature	室温/Room temperature ~300°C	室温/Room temperature ~300°C
锡炉容量/Tin furnace capacity(kg)	480	520
焊锡角度/Solder angle	5.5°±1.0°可调 /Adjustable	5.5°±1.0°可调 /Adjustable
气源/Gas source	>4kg/cm ²	>4kg/cm ²
助焊剂自动添加/Automatic addition of flux	标配/Standard configuration	标配/Standard configuration
正常/启动功率/Normal/Starting power(KW)	12/29.5	13/36.5
净重/Net weight(kg)	1650	1800
机身尺寸/Dimensions(mm)(L*W*H)	4250*1580*1650	4250*1580*1650
电源/Power supply	3Φ380V	3Φ380V



电控装置
Electronic Control Device



助焊剂自动添加系统
Automatic flux addition system



波峰锡炉
Wave Soldering Furnace



特点 Features

- 双助焊剂喷涂，采用露明娜气体喷射阀，精准度高;
 - 上热风 + 下红外预热，实现产品快速升温;
 - 双焊锡工位，锡波稳定。
- Dual flux spraying, using Lumen gas jet valve for high precision.
 - Top hot air + bottom infrared preheating, enabling rapid product temperature rise.
 - Dual soldering stations, ensuring stable solder waves.



锡膏喷嘴
Automatic tinning module



自动加锡装置
Automatic flux addition system



助焊剂喷雾模块
Flux spray module

规格 Specifications

机器总体/Machine overall	
机器尺寸/Machine size(mm)(L*W*H)	2950*1650*1675
电源/功率/Power supply/Power	三相五线制/380V 50HZ / Three-phase five-wire system /380V 50HZ
净重/Net weight(kg)	1500
空气源要求/Air source requirements	压力0.4-0.6MPa, 流量8-12L/min / Pressure 0.4-0.6MPa,flow 8-12L/min
氮气源要求/Nitrogen source requirements	压力0.3-0.5MPa, 流量不小于5立方/小时, 纯度不低于99.998%; Pressure 0.3-0.5MPa, flow rate not less than 5 cubic meters per hour, purity not less than 99.998%
抽风量要求/Air volume requirements	喷雾上方/Above the spray: 800-1000cbm/h; 锡炉上方/Above the tin furnace: 600-800cbm/h;
载具/Pallet	
双喷嘴间距/Double nozzle spacing(mm)	165~265
最大焊接面积/Maximum welding area(mm)(L*W)	500*500
控制与运输/Control and transport	
控制系统/Control system	工控机+控制器/Industrial computer+ controller
运输宽度/Shipping width(mm)	50-500
产品输送/Product conveying	喷雾与预热段; 链条输送; 焊锡段; 滚轮输送; Spray and preheating section; chain conveying; solder section; roller conveying
元器件最大高度/Maximum component height	板上100 mm、板上30 mm /100mm; on board, 30mm off board
运输承重/Transport load-bearing	小于10kg/ Less than 10kg
运输高度/Transport height(mm)	900±20
喷雾运动平台/Spray motion platform	
运动轴/Motion axis	X, Y
运动控制/Motion control	闭环控制+伺服马达/Closed-loop control+servo motor
定位精度/Positioning accuracy(mm)	±0.15
松香管理/Rosin management	
助焊剂喷嘴/Flux nozzles	不锈钢电子喷射网*2/Stainless steel electronic jet mesh*2
助焊剂容器/Flux containers	压力罐, 容量1L*2 /Pressure tank, capacity 1L*2
酒精容量/Alcohol volume	压力罐, 容量1L*2 /Pressure tank, capacity 1L*1

规格 Specifications

机器总体/Machine overall	
预热部分/Warm-up section	
预热方式/Warm-up mode	上热风预热, 下红外预热/Warm air warm-up, lower infrared preheating
预热功率/Warm-up power(kw)	13
温度范围/Temperature range	常温-240°C /Often wet -240°C
焊锡运动平台/Solder motion platform	
运动轴/Motion axis	X, Y, Z
运动控制/Motion control	闭环控制+伺服马达/Closed-loop control+servo motor
定位精度/Positioning accuracy(mm)	±0.15
焊锡部分/Solder part	
锡槽容量/Tin tank capacity	15 kg x 2
锡料温控/Tin temperature control	PID
熔热时间/Melting time	≤40 Minutes
最高锡炉温度/Maximum tin furnace temperature	350 °C
锡槽功率/Tin bath power	1.2kw X 2
吸嘴材料/Nozzle material	低膨胀合金/Low expansion alloy
标配锡嘴/Tin nozzle comes standard	5只X2
氮气管理/Nitrogen management	
氮气加热PID控制/Nitrogen heating PID control	0-350°C
氮气消耗/锡嘴/Nitrogen consumption/tin nozzle	1-2m³/小时/锡嘴/1-2/hour/tin nozzle

特点 Features

- 喷涂区域可自由选择；开放型带防护喷雾箱；
- 防滴式强力抽风罩；
- 标配手摇调宽系统(可选配电动调宽)；
- 工业电脑+PLC控制；
- Spray area can be freely selected; Open type with protective spray box
- Drip-proof powerful exhaust hood
- Standard hand width adjustment system(Optional electric width adjustment)
- Industrial computer + PLC control

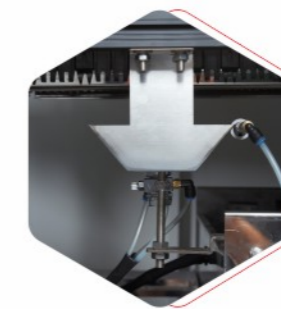


规格 Specifications

型号/Model	FT-450
基板尺寸/PCB size(mm)	Max450
传输速度/Transmission motor	0~1800mm/min
气源/Gas source	>4kg/cm ²
助焊剂自动添加/Automatic addition of flux	标配/Standard configuration
总功率/Total power(w)	600
净重/Net weight(kg)	400
机身尺寸/Dimensions(mm)(L*W*H)	1500*1300*1600
电源/Power supply	1Φ220V



喷雾抽风罩
Automatic tinning module



喷头移动模组
Automatic flux addition system



喷嘴调节控制箱
Flux spray module

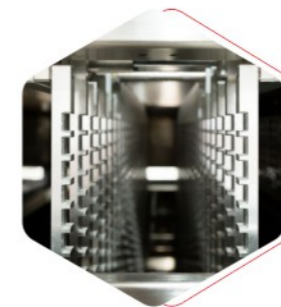
特点 Features

- 自动出入板, 大幅节省人工;
- 炉内温度稳定性高, 产品质量优;
- 热能利用充分, 提高能源利用率;
- Automatic board loading and unloading, greatly reducing labor costs.
- High temperature stability inside the oven, ensuring superior product quality.
- Efficient heat utilization, improving energy efficiency.



规格 Specifications

型号/Model	KT-400/KT-280
外型尺寸/Dimensions(mm)(L*W*H)	2500*1740*2240 / 2500*1580*2450
重量/Weight(kg)	Approx.1800/1650
电源/功率/Power supply/Power	三相五线制/380V 50HZ /Three-phase five-wire system /380V 50HZ
单边层数/Single layer number	30层 30 layers
升温时间/Heating time	Approx.30minute
温度设定范围/Temperature setting range	室温---180°C /Room Temp.180°C
温度控制精度/Temperature control accuracy	±1°C
控制方式/Control method	PID闭环控制+SSR驱动+触摸屏/PID closed-loop control+ SSR drive+ touch screen
PCB板温分布偏差/ PCB board temperature distribution deviation	±3°C
PCB 最大尺寸/PCB maximum size(mm)(L*W)	400*400 / 300*280
运输高度/Transmission height(mm)	900±20



料框储存区
Magazine storage area



入口传动
Entrance



电控区域
Electrically controlled area

Material Frame Vertical Hot Air Curing Oven



料框式垂直热风固化炉

特点 Features

- 智能屏蔽故障层，提高运行效率；
- 运行范围可调节，节能降耗；
- 创新滚针主动运输，拒绝卡板伤板。
- Intelligent fault shielding layer, improving operational efficiency.
- Adjustable operating range, energy-saving and consumption-reducing.
- Innovative needle roller active transport, preventing board jamming and damage.



规格 Specifications

型号/Model	KL-650
外型尺寸/Dimensions(mm)(L*W*H)	2150*2050*2150
重量/Weight(kg)	<2000
电源/功率 Power supply/Power	三相五线制/380V 50HZ Three-phase five-wire system /380V 50HZ
升温时间/Heating time	10min
温度设定范围/Temperature setting range	常温~200°C/Room Temp-200°C
控温精度/Control method	±1°C
温区数量/Number of temperature zones	4个
加热方式/Heating method	热风大循环，两侧对吹顶部回风 Large circulation of hot air, two sides blowing and top return air
控制方式/Control method	PID闭环控制+SSR驱动/PID closed-loop control+SSR drive
PCB板温偏差/PCB board temperature distribution deviation	±3°C
最小节拍/Min beat	15S
PCB最大尺寸/PCB maximumsize(mm)(L*W)	650*460
导轨调宽范围/Rail width adjustment range(mm)	80~460
产品流向/Product flow direction	由左至右/From left to right
层间距/Layer spacing(mm)	20 (可定制/Customizable)
运输高度/Transmission height(mm)	920±30
层数/Number of layers	30层，双边过板/30 layers, bilateral over board
装机功率/Installed power(KW)	67



料框储存区
Magazine storage area



入口传动
Entrance



电控区域
Electrically controlled area

SZL-3 Series Buffer Loader/NG Stocker

SZL-3系列 收送板机



规格 Specifications

型号/Model	SZL-3BM	SZL-3BL	SZL-3BLL	SZL-3BXL
大小/Size	M	L	LL	XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*80-330*250	80*80-460*330	80*80-510*390	80*80-510*460
传输高度/Transmission height(mm)	900±20	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1150*1250*1200	1260*1540*1200	1440*1620*1200	1440*1690*1200
料箱尺寸/Magazine size(mm)(L*W*H)	355*320*565	460*400*565	535*460*570	535*530*570
料箱通俗名称/Common name of magazine	803#	806#	808#	809#
大概重量/Weight(kg)	220	245	250	255
料箱数量/No. of magazine	上层轨道1个;下层轨道1个/Upper conveyor: 1nos.Lower conveyor: 1nos.			
电路板的上板时间/Time for feed PCBs	约6秒或用户指定/Approx.6 seconds or specified by customer			
料箱更换时间/Magazine change over time	约35秒或用户指定/Approx.35 seconds or specified by customer			
步距选择/Indexing pitch	10,20,30,40毫米或用户指定/10,20,30,40 mm pitch or specified by customer			
电源及电负荷/Power supply and electric load	220V交流, 单相最大300伏安/220V(AC,SP)300VA max			
气压及气流量/Air pressure and air flow	4~6 bar,最多10升/分钟/4~6bar, Up to 10 l/min			
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min			

SZL-3 Series Side Entry Unloader

SL-3系列 侧进式送板机



规格 Specifications

型号/Model	SL-3BM	SL-3BL	SL-3BLL	SL-3BXL
大小/Size	M	L	LL	XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-330*250	80*50-460*330	80*50-510*390	80*50-510*460
传输高度/Transmission height(mm)	900±20	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1350*720*1200	1770*800*1200	1840*860*1200	1840*930*1200
料箱尺寸/Magazine size(mm)(L*W*H)	355*320*565	460*400*565	535*460*570	535*530*570
料箱通俗名称/Common name of magazine	803#	806#	808#	809#
大概重量/Weight(kg)	145	205	250	255
料箱数量/No. of magazine	上层轨道1个; 下层轨道2个/Upper conveyor: 1nos.Lower conveyor: 2nos.			
电路板的上板时间/Time for feed PCBs	约6秒或用户指定/Approx.6 seconds or specified by customer			
料箱更换时间/Magazine change over Time	约35秒或用户指定/Approx.35 seconds or specified by customer			
步距选择/Indexing pitch	10,20,30,40毫米或用户指定/10,20,30,40 mm pitch or specified by customer			
电源及电负荷/Power supply and electric load	220V交流, 单相最大300伏安/220V(AC,SP)300VA max			
气压及气流量/Air pressure and air flow	4~6 bar,最多0.1升/分钟/4~6bar, Up to 0.1 l/min			
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min			

ZL-3 Series Side Entry Unloader

ZL-3系列 侧进式收板机



规格 Specifications

型号/Model	ZL-3BM	ZL-3BL	ZL-3BLL	ZL-3BXL
大小/Size	M	L	LL	XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-330*250	80*50-460*330	80*50-510*390	80*50-510*460
传输高度/Transmission height(mm)	900±20	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1980*720*1200	2590*800*1200	2660*860*1200	2660*930*1200
料箱尺寸/Magazine size(mm)(L*W*H)	355*320*565	460*400*565	535*460*570	535*530*570
料箱通俗名称/Common name of magazine	803#	806#	808#	809#
大概重量/Weight(kg)	185	235	285	300
料箱数量/No. of magazine	上层轨道1个;下层轨道2个/Upper conveyor: 1nos.Lower conveyor: 2nos.			
电路板的上板时间/Time for feed PCBs	约6秒或用户指定/Approx.6 seconds or specified by customer			
料箱更换时间/Magazine change over Time	约35秒或用户指定/Approx.35 seconds or specified by customer			
步距选择/Indexing pitch	10,20,30,40毫米或用户指定/10,20,30,40 mm pitch or specified by customer			
电源及电负荷/Power supply and electric load	220V交流, 单相最大300伏安/220V(AC,SP)300VA max			
气压及气流量/Air pressure and air flow	4~6 bar,最多0.2升/分钟/4~6bar, Up to 0.2 l/min			
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min			

SL-3Z Series Vacuum Bare Loader

吸送板机



规格 Specifications

型号/Model	SL-3ZM	SL-3ZL	SL-3ZXL
大小/Size	M	L	XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-330*250	80*50-460*330	80*50-510*460
传输高度/Transmission height(mm)	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1930*1050*1760	2030*1050*1760	2550*1080*1200
料箱通俗名称/Common name of magazine	803#	806#	803# & 809#
大概重量/Weight(kg)	245	355	400
料箱数量/No. of magazine	上层轨道1个;下层轨道2个/Upper conveyor: 1 nos.Lower conveyor:2nos.		
电路板的上板时间/Time for feed PCBs	约6秒或用户指定/Approx.6 seconds or specified by customer		
料箱更换时间/Magazine change over Time	约35秒或用户指定/Approx.35 seconds or specified by customer		
步距选择/Indexing pitch	10,20,30,40毫米或用户指定/10,20,30,40 mm pitch or specified by customer		
电源及电负荷/Power supply and electric load	220V交流, 单相最大600伏安/220V(AC,SP)600VA max		
气压及气流量/Air pressure and air flow	4~6 bar,最多0.2升/分钟/4~6bar, Up to 0.2 l/min		
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min		

SLD-3 Series Dual Magazine Unloader

双框收板机



规格 Specifications

型号/Model	SLD-3BM	SLD-3BL	SLD-3BLL	SLD-3BXL
大小/Size	M	L	LL	XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-330*250	80*50-460*330	80*50-510*390	80*50-510*460
传输高度/Transmission height(mm)	900±20	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1370*1360*1220	2100*1520*1220	1870*1660*1220	2580*1800*1220
料框型号/Common name of magazine	803#	806#	808#	809#
料框数量/ No. of magazine	上方轨道Upper conveyor 下方轨道Lower conveyor			
	1	2	1	2
大概重量/Weight(kg)	240	330	400	430
电路板的上板时间/Time for feed PCBs	约6秒或用户指定/Approx.6 seconds or specified by customer			
料箱更换时间/Magazine change over Time	约35秒或用户指定/Approx.35 seconds or specified by customer			
步距选择/Indexing pitch	10,20,30,40毫米或用户指定/10,20,30,40 mm pitch or specified by customer			
电源及电负荷/Power supply and electric load	220V交流, 单相最大800伏安/220V(AC,SP)800VA max			
气压及气流量/Air pressure and air flow	4~6 bar,最多0.2升/分钟/4~6bar, Up to 0.2 l/min			
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min			



SL-650 Heavy Automatic Loader

重型全自动上板机

ZL-650 Heavy Automatic Unloader

重型全自动收板机

规格 Specifications

型号/Model	SL-650	ZL-650
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-700*650	80*50-700*650
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)	2010*1300*1760	2910*1300*1760
料框尺寸/Dimensions of magazine(mm)(L*W*H)	700*700*570	700*700*570
大概重量/Weight(kg)	250	280
料箱数量/No. of magazine	上层轨道1个;下层轨道1个/Upper conveyor: 1 nos.Lower conveyor: 1nos.	
电路板的上板时间/Time for feed PCBs	约6秒或用户指定/Approx.6 seconds or specified by customer	
料箱更换时间/Magazine change over Time	约35秒或用户指定/Approx.35 seconds or specified by customer	
步距选择/Indexing pitch	10,20,30,40毫米或用户指定/10,20,30,40 mm pitch or specified by customer	
电源及电负荷/Power supply and electric load	220V交流, 单相最大800伏安/220V(AC,SP)800VA max	
气压及气流量/Air pressure and air flow	4~6 bar,最多0.2升/分钟/4~6bar, Up to 0.2 l/min	
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min	



ZK Series Vacuum Bare Board Loader

ZK系列 真空吸板机

规格 Specifications

型号/Model	ZK-650	ZK-800	ZK-1500-460
线路板有效尺寸/ Circuit board effective size(mm)(L*W)	80*50-510*450	80*50-600*610	80*50-1200*460
传输高度/Transmission height(mm)	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	650*1200*1200	800*1560*1200	1500*1200*1200
大概重量/Weight(kg)	175	210	200
电路板的上板时间/Time for feed PCBs	约8秒或用户指定/Approx.8seconds or specified by customer		
电路板最大容量/Board maximum capacity	200片(0.6毫米厚电路板)/200pcs(0.6mm thick PCB)		
电源及电负荷/Power supply and electric load	220V交流, 单相最大120伏安/220V(AC,SP)120VA max		
气压及气流量/Air pressure and air flow	4~6bar, 最多30升/分钟/4~6bar,Up to30 L/min		
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min		



ZK Series AGV Vacuum Bare Board Loader

ZK系列 AGV真空吸板机

规格 Specifications

型号/Model	ZK-450X-750	ZK-750X-1000
线路板有效尺寸/ Circuit board effective size(mm)(L*W)	510*460	700*550
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	750*1500*1750	900*1610*1750
大概重量/Weight(kg)	500	600
电路板的上板时间/Time for feed PCBs	约8秒或用户指定/Approx.8 seconds or specified by customer	
电路板最大容量/Board maximum capacity	200片(0.6毫米厚电路板)/200pcs(0.6mm thick PCB)	
电源及电负荷/Power supply and electric load	220V交流, 单相最大120伏安/220V(AC,SP)120VA max	
气压及气流量/Air pressure and air flow	4~6bar, 最多30升/分钟/4~6bar,Up to30 L/min	
电路板厚度/Thickness of PCBs	最小0.6mm/0.6mm min	



PTUC Series Contactless Dust Remover

PTUC系列 非接触式除尘器

规格 Specifications

型号/Model	PTUC-500
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*60-500*380
传输高度/Transmission height(mm)	900±20
外形尺寸/Dimensions(mm)(L*W*H)	800*900*1600
大概重量/Weight(kg)	340
毛刷转速/Brush speed	步进马达200~1200转/分钟(数据设定) Stepping motor 200~1200 rev/min(Data setting)
电源及电负荷/Power supply and electric load	1P 3W AC 220 50/60Hz 功率50W/Power: 50W
气压及气流量/Air pressure and air flow	4~6 Kg/cm ² ,进气管大小8mm/ 4~6Kg/cm ² , Intake pipe size 8mm
电路板厚度/Thickness of PCBs	最小0.7~3mm/0.7~3mm min



PTCC Series Dust Remover

PTCC系列 接触式除尘器

规格 Specifications

型号/Model	PTCC-350	PTCC-460
大小/Size	L	XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*60-510*380	80*60-510*460
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	600*980*1440	600*980*1440
大概重量/Weight(kg)	165	165
毛刷转速/Brush speed	步进马达200~1200转/分钟(数据设定) Stepping motor 200~1200 rev/min(Data setting)	
电源及电负荷/Power supply and electric load	1P 3W AC 220 50/60Hz 功率/Power: 50W	
气压及气流量/Air pressure and air flow	4~6 Kg/cm ² ,进气管大小8mm/ 4~6Kg/cm ² , Intake pipe size 8mm	
电路板厚度/Thickness of PCBs	最小0.7~3mm/0.7~3mm min	

ZCL-3BL Automatic cooling Storage Buffer Stocker

ZCL-3BL 储存式冷却暂存机



规格 Specifications

型号/Model	ZCL-3BL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	510*460
传输高度/Transmission height(mm)	900±20(mm)
外形尺寸/Dimensions(mm)(L*W*H)	1750*1120*1950
产品层距/Layer spacing of product(mm)	650
最大存板数量/Maximum number of boards	带冷却/With cooling
大概重量/Weight(kg)	40
循环时间/Board maximum capacity	约30秒/About 30S
电源及电负荷/Power supply and electric load	单相220V 交流电最大3500瓦/Single-phase 220V AC Up to 3500W
气压及气流量/Air pressure	4-6bar

Automatic Buffer Stocker / Automatic Cooling Buffer Stocker

缓冲暂存机/冷却型暂存机



规格 Specifications

型号/Model	ZCL-3BM	ZCLC-3XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50+500*460	700*550
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	600*1200*1760	800*1400*1760
大概重量/Weight(kg)	155	300
电路板容量/Board capacity	30片或用户指定/ 30pcs or specified by customer	20片或用户指定/ 20pcs or specified by customer
最大承重负荷/Maximum load	1.5千克/PCB/1.5kg/PCB	
循环时间/Cycle time	约12秒/About 12 Seconds	
电源及电负荷/Power supply and electric load	220V交流, 单相最大850伏安/220V(AC,SP)850VA max	
电路板厚度/Thickness of PCBs	最小0.6mm/Min.0.6mm	

ZCLA-3 Series Automatic NG/OK Buffer Stocker

ZCLA-3系列 NG/OK 暂存机



规格 Specifications

型号/Model	ZCLA-3L	ZCLA-3XL
线路板有效尺寸/Circuit board effective size(mm)(L*W)	400*350	510*460
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1000*1100*1760	1200*1200*1760
大概重量/Weight(kg)	240	300
电路板容量/Board capacity	25片, 可多用途选择NG/OK存板数量/ 25pcs, Can be used for multi-purpose selection of NG/OK storage boards	
最大承重负荷/Maximum load	1.5千克/PCB/1.5kg/PCB	
循环时间/Cycle time	约12秒/About 12 Seconds	
电源及电负荷/Power supply and electric load	220V交流, 单相最大850伏安/220V(AC,SP)850VA max	
电路板厚度/Thickness of PCBs	最小0.6mm/Min.0.6mm	

ZCLC-3-S Series Automatic Cooling Buffer Stocker With Platform

ZCLC-3-S系列 带平台冷却型暂存机



规格 Specifications

型号/Model	ZCLC-3XL-S
线路板有效尺寸/Circuit board effective size(mm)(L*W)	510*460
传输高度/Transmission height(mm)	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1600*1200*1760
大概重量/Weight(kg)	300
电路板容量/Board capacity	20片或用户指定/20pcs or specified by customer
最大承重负荷/Maximum load	1.5千克/PCB/1.5kg/PCB
循环时间/Cycle time	约12秒/About 12 Seconds
电源及电负荷/Power supply and electric load	220V交流, 单相最大850伏安/220V(AC,SP)850VA max
电路板厚度/Thickness of PCBs	最小0.6mm/Min.0.6mm

Register With Platform Cooling

带平台冷却型暂存机



Dual Track Register

双轨暂存机



规格 Specifications

型号/Model	ZCL300-D	ZCL300-DL	ZCL300-DN
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-330*300	80*50-330*300	80*50-330*300
传输高度/Transmission height(mm)	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1500*1500*1760	1500*1500*1760	1500*1500*1760
冷却功能/Cooling function	无/NO	有/Yes	无/No
NG/OK功能/NG/OK function	无/NO	无/No	有/Yes
大概重量/Weight(kg)	200	220	200
电路板容量/Board capacity	20-30片, 可多用途选择NG/OK存板数量/ 20-30pcs, Can be used for multi-purpose selection of NG/OK storage boards		
最大承重负荷/Maximum load	1.5千克/PCB/1.5kg/PCB		
循环时间/Cycle time	约12秒/About 12 Seconds		
步距选择/Step selection	30、60毫米或用户指定/30, 60mm or specified by customer		
电源及电负荷/Power supply and electric load	220V交流, 单相最大900伏安/220V(AC,SP)900VA max		
电路板厚度/Thickness of PCBs	最小0.6mm/Min.0.6mm		

PTG Series PCB Inverting Conveyor

PTG系列 翻转输送机



规格 Specifications

型号/Model	PTG-460	PTG-550
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-510*460	80*50-700*550
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	600*1100*1200	750*1100*1200
大概重量/Weight(kg)	150	200
循环时间/Cycle time	约8秒/About 8 Seconds	
电源及电负荷/Power supply and electric load	220V交流, 单相最大150伏安/220V(AC,SP)150VA max	
电路板厚度/Thickness of PCBs	最小0.6mm/Min.0.6mm	

PTF Series Turn Conveyor

PTF系列 平面转角机



规格 Specifications

型号/Model	PTF-250	PTF-460
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-350*310	80*50-510*500
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	600*600*1200	800*800*1200
大概重量/Weight(kg)	100	150
循环时间/Cycle time	约15秒/About 15 Seconds	
电源及电负荷/Power supply and electric load	220V交流, 单相最大120伏安/220V(AC,SP)120VA max	
电路板厚度/Thickness of PCBs	最小0.6mm/Min.0.6mm	

PTD Series Normally Opened Telescopic Gate Conveyor

PTD系列 常开式伸缩闸门输送机



规格 Specifications

型号/Model	PTD-460	PTD-550	PTD-D300
线路板有效尺寸/ Circuit board effective size(mm)(L*W)	80*50-510*460	80*50-700*550	80*50-700*300
传输高度/Transmission height(mm)	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1000(展开Unfold)1700*790*1090 1200(展开Unfold)1900*790*1090	1200(展开Unfold)1900*880*1090	1000(展开Unfold)1700*1040*1090 1200(展开Unfold)1900*1040*1090
大概重量/Weight(kg)	120	160	200
循环时间/Cycle time	约10秒/About 10 seconds		
输送速度/Conveyor speed	0.5-20米/分钟或用户指定/0.5-20Meter/Mins or specified by customer		
电源及电负荷/Power supply and electric load	220V交流, 单相最大300伏安/Single-phase 220V AC Up to 300VA		
电路板厚度/Thickness of PCBs	最小0.6mm/Minimum 0.6mm		

PTE Series Lift Gate Conveyor

PTE系列 升降式闸门输送机



规格 Specifications

型号/Model	PTE-350	PTE-460
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-400*350	80*50-510*460
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	750(展开Unfold)1200* 580*1050	950(展开Unfold)1600*690*1050
大概重量/Weight(kg)	120	140
循环时间/Cycle time	约10秒/About 10 seconds	
输送速度/Conveyor speed	0.5-20米/分钟或用户指定/0.5-20Meter/Mins or specified by customer	
电源及电负荷/Power supply and electric load	220V交流, 单相最大300伏安/Single-phase 220V AC Up to 300VA	
电路板厚度/Thickness of PCBs	最小0.6mm/Minimum 0.6mm	

PTK-D Series Dual Station Shuttle Conveyor

PTK-D系列 双机头平行移栽机



规格 Specifications

型号/Model	PTK-D
循环时间/Cycle time	由具体行程与要求来定/Determined by the specific itinerary and requirements
电源及电负荷/Power supply and electric load	220V交流, 单相最大120伏安/Single-phase 220V AC Up to 120VA
电路板厚度/Thickness of PCBs	最小0.6mm/Minimum 0.6mm

PTK Series Single Station Shuttle Conveyor

PTK系列 单机头平行移栽机



规格 Specifications

型号/Model	PTK-D350	PTK-D460	PTK-460
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-450*350	80*50-540*460	80*50-510*460
传输高度/Transmission height(mm)	900±20	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	根据客户生产线实际排布来定 According to the actual arrangement of the customer's production line		500/600*1500*1000
大概重量/Weight(kg)	300	300	150
循环时间/Cycle time	由具体行程与要求来定/Determined by the specific itinerary and requirements		
电源及电负荷/Power supply and electric load	220V交流, 单相最大120伏安/Single-phase 220V AC Up to 120VA		
电路板厚度/Thickness of PCBs	最小0.6mm/Minimum 0.6mm		

PTH Series Transposition Conveyor

PTH系列 换边输送机



规格 Specifications

型号/Model	PTH-460
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*100-510*510
传输高度/Transmission height(mm)	900±20
外形尺寸/Dimensions(mm)(L*W*H)	1200*950*1650
大概重量/Weight(kg)	130
循环时间/Cycle time	约8秒/About 8 seconds
电源及电负荷/Power supply and electric load	220V交流, 单相最大200伏安/Single-phase 220V AC Up to 200VA
电路板厚度/Thickness of PCBs	最小0.6mm/Minimum 0.6mm

PTB-F Series Reject Conveyor

PTB-F系列 筛选式(双轨)输送机



规格 Specifications

型号/Model	PTB-F460	PTB-F460-D
线路板有效尺寸/Circuit board effective size(mm)(L*W)	80*50-510*460	80*50-510*460
传输高度/Transmission height(mm)	900±20	900±20
外形尺寸/Dimensions(mm)(L*W*H)	600/800/1000*780*900	1000/800*1000*900
大概重量/Weight(kg)	120	160
循环时间/Cycle time	0.5-20米/分钟或用户指定/0.5-20Meter/Mins or specified by customer	
电源及电负荷/Power supply and electric load	220V交流, 单相最大300伏安/Single-phase 220V AC Up to 300VA	
电路板厚度/Thickness of PCBs	最小0.6mm/Minimum 0.6mm	

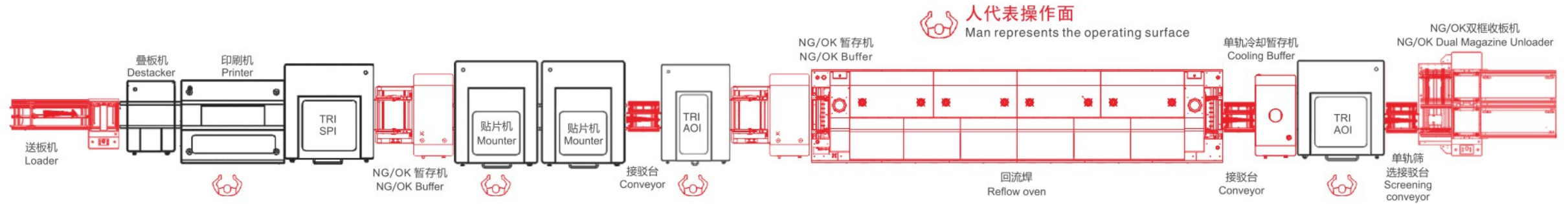
PTB/PTC Series Conveyor/inspection conveyor

PTB/PTC系列 接驳台/检查台



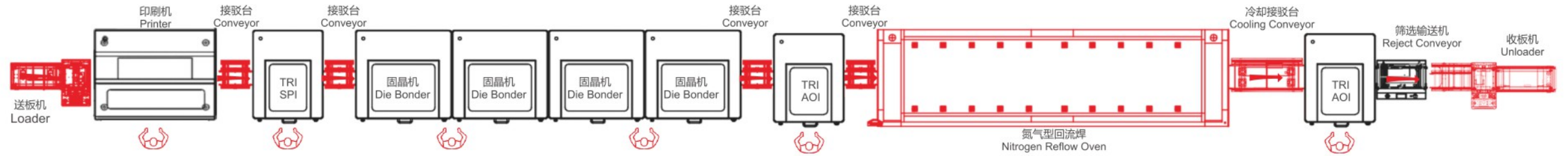
Smt Line Flow Diagram

SMT 产线推荐线体方案



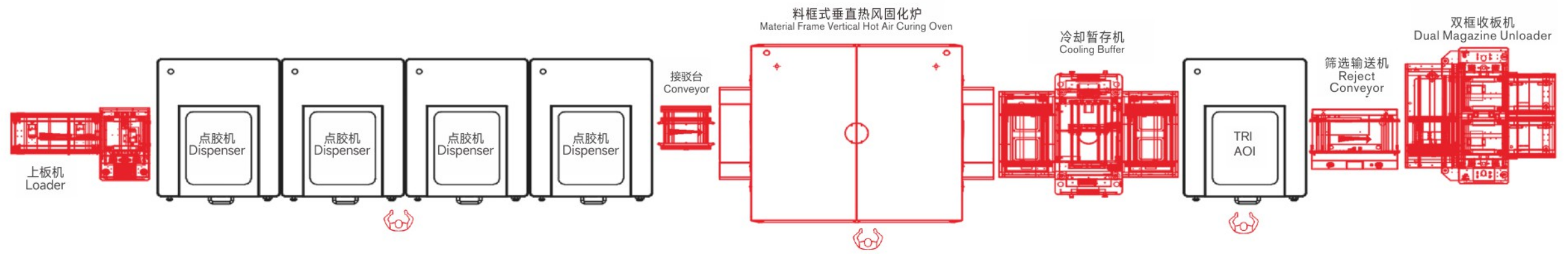
Mini LED Line Flow Diagram

Mini LED 产线推荐线体方案



Curing Process Line Flow Diagram

固化制程推荐线体方案







加拿大
Canada

美国
United States

墨西哥
Mexico

俄罗斯
Italy

缅甸
Burma

泰国
Burma

柬埔寨
Cambodia

马来西亚
Malaysia

印度尼西亚
Indonesia



我们本着“永续经营”的经营理念与“客户至上、质量先行、诚信服务、精益求精”的服务理念不断的进步；

We are in line with the "sustainable management" business philosophy and "customer first, quality first, integrity service, excellence" service concept continuous progress;