

INTEGRITY · RESPONSIBILITY · CRAFTSMANSHIP · INNOVATION · ALTRUISM · AND WIN-WIN





FOCUSING ON RESEARCH AND DEVELOPMENT, DESIGN, PRODUCTION,
AND SALES OF VARIOUS ELECTRONIC MOUNTING AND WELDING EQUIPMENT

ENTERPRISE PRODUCT CATALOG

ZHEJIANG HUAQI ZHENG BANG AUTOMATION
TECHNOLOGY CO., LTD.

ZHEJIANG HUAQI ZHENG BANG AUTOMATION TECHNOLOGY CO., LTD.

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Marketing Center: 6 / F, International Chamber of Commerce Building,
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Zip code 325000



INTELLIGENT MANUFACTURING IN CHINA

浙江华企正邦自动化
ZHEJIANG HUAQI ZHENG BANG AUTOMATION

赋能电子智造升级 助力科技加速发展

EMPOWERING ELECTRONIC INTELLIGENT MANUFACTURING UPGRADES TO ACCELERATE TECHNOLOGICAL DEVELOPMENT



ABOUT US

关于我们·华企正邦

浙江华企正邦自动化科技有限公司

Zhejiang Huaqi Zhengbang Automation Technology Co., Ltd.

浙江华企正邦自动化科技有限公司（简称“华企正邦”）的前身为创立于2007年的温州市正邦电子设备有限公司，多年来聚焦于为央企、医疗、汽配、电器、电子、家电、教育、玩具等领域的集团化客户和区域龙头企业提供专业设备制造和订制服务。现主要生产产品有THT焊接设备、SMT贴装设备、生产组装流水线，同时代理品牌仪器、仪表、工具、耗材等。能够为电子产品生产、电子焊接领域客户提供一站式综合解决方案和全周期客户服务。

Zhejiang Huaqi Zhengbang Automation Technology CO., Ltd. (Wenzhou Zhengbang Electrical Equipment CO., Ltd.) is founded in 2007, focusing on developing, design, manufacturing and sales automatic manufacturing devices and electronic production equipment.

The company supplies professional and individual solutions for LED lighting, electronic, electrical products, toys, metal, cars. Major products are LED lighting automatic assembly lines, THT soldering device, SMT soldering machines and multiple working tables and non-standard equipment. Major products are LED bulb automatic assembly lines, flood lights assembly lines, downlights assembly lines, THT soldering equipment, SMT soldering device, working table and non-standard customized machines.

公司创立
COMPANY
ESTABLISHMENT

2007

服务客户
SERVING
CUSTOMERS

200,000

公司员工
COMPANY STAFF

300+

生产研发基地
FACTORY AREA

35000 m²

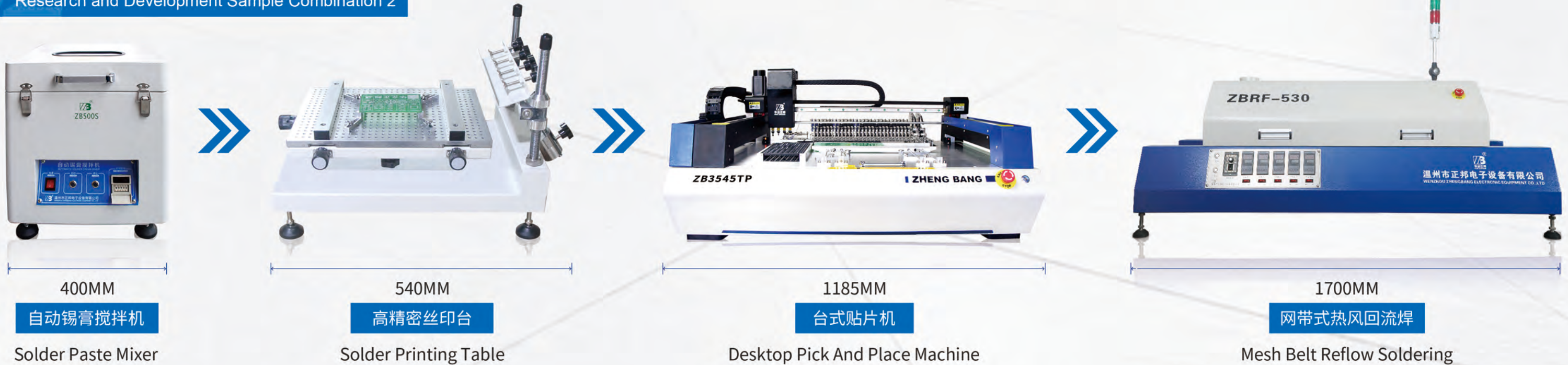


SMT COMBINATION ASSEMBLY LINE 生产线

SMT焊接研发、试样组合套装一 Research and Development Sample Combination 1



SMT焊接研发、试样组合套装二 Research and Development Sample Combination 2



SMT焊接中小型生产组合套装一 · 总长 7465MM
SMT Medium-Sized Production Combination 1 · Total length 7465MM



SMT焊接中小型生产组合套装二 · 总长 9395MM
SMT Medium-Sized Production Combination 2 · Total length 9395MM



SMT焊接中小型生产组合套装三 · 总长 12700MM
SMT Medium-Sized Production Combination 3 · Total length 12700MM



立式全自动贴片机 型号选择

Selection of SMT Machine Series



BC-8Y

贴装头数量: 8头
相机: 飞拍相机
贴装速度: 28000
电机/驱动: 伺服系统
供料器: 1位
Model: BC-8Y
Feeder Slots: 1
Camera: Flying Camera
Normal CPH: 16000
Mounting Head Structure: Independent Direct Drive
Transmission Main Shaft: Ground Screw + Linear Guide
Control Configuration: Industrial Computer + 19" Display Screen

定位精度: 0.02mm
基板最大尺寸: 500×400mm
传动主轴: 研磨丝杆+直线导轨
贴头结构: 独立直联驱动
操控配置: 工控电脑+19"显示屏
Number of Mounting Heads: 8
Positioning Accuracy: 0.02mm
PCB Size: 500×400mm
Motor/Drive: Servo System

120mm大理石台面 · 120mm Marble Countertop



WS-8Y

贴装头数量: 8头
相机: 飞拍相机
贴装速度: 30000
电机/驱动: 伺服系统
供料器: 70位
Model: WS-8Y
Feeder Slots: 70
Camera: Flying Camera
Normal CPH: 16000
Mounting Head Structure: Ball Spline
Transmission Main Shaft: Ground Screw + Linear Guide
Control Configuration: Industrial Computer + 19" Display Screen

定位精度: 0.02mm
基板最大尺寸: 500×400mm
传动主轴: 研磨丝杆+直线导轨
贴头结构: 滚珠花键
操控配置: 工控电脑+19"显示屏
Number of Mounting Heads: 8
Positioning Accuracy: 0.02mm
PCB Size: 500×400mm
Motor/Drive: Servo System



BC-6Y

贴装头数量: 6头
相机: 飞拍相机
贴装速度: 21000
电机/驱动: 伺服系统
供料器: 66位
Model: BC-6Y
Feeder Slots: 66
Camera: Flying Camera
Normal CPH: 12000
Mounting Head Structure: Independent Direct Drive
Transmission Main Shaft: Ground Screw + Linear Guide
Control Configuration: Industrial Computer + 19" Display Screen

定位精度: 0.02mm
基板最大尺寸: 500×400mm
传动主轴: 研磨丝杆+直线导轨
贴头结构: 独立直联驱动
操控配置: 工控电脑+19"显示屏
Number of Mounting Heads: 6
Positioning Accuracy: 0.02mm
PCB Size: 500×400mm
Motor/Drive: Servo System



WS-8N

贴装头数量: 8头
相机: 飞拍相机
贴装速度: 30000
电机/驱动: 伺服系统
供料器: 70位
Model: WS-8N
Feeder Slots: 70
Camera: Flying Camera
Normal CPH: 16000
Mounting Head Structure: Ball Spline
Transmission Main Shaft: Ground Screw + Linear Guide
Control Configuration: Industrial Computer + 19" Display Screen

定位精度: 0.02mm
基板最大尺寸: 500×400mm
传动主轴: 研磨丝杆+直线导轨
贴头结构: 滚珠花键
操控配置: 工控电脑+19"显示屏
Number of Mounting Heads: 8
Positioning Accuracy: 0.02mm
PCB Size: 500×400mm
Motor/Drive: Servo System

120mm大理石台面,支持NXT飞达
120mm marble countertop, supporting NXT Feeder



ZB4050LS

贴装头数量: 6头
相机: 定拍相机
贴装速度: 21000
电机/驱动: 伺服系统
供料器: 64位
Model: ZB4050LS
Feeder Slots: 64
Camera: Fixed Camera
Normal CPH: 11000
Mounting Head Structure: Swing Hip Drive
Transmission Main Shaft: Ball Screw + Linear Guide
Control Configuration: Industrial Computer + 19" Display Screen

定位精度: 0.02mm
基板最大尺寸: 500×400mm
传动主轴: 滚珠丝杆+直线导轨
贴头结构: 摆臂驱动
操控配置: 工控电脑+19"显示屏
Number of Mounting Heads: 6
Positioning Accuracy: 0.02mm
PCB Size: 500×400mm
Motor/Drive: Servo System



WS-8S

贴装头数量: 8头
相机: 飞拍相机
贴装速度: 30000
电机/驱动: 伺服系统
供料器: 70位
Model: WS-8S
Feeder Slots: 70
Camera: Flying Camera
Normal CPH: 16000
Mounting Head Structure: Ball Spline
Transmission Main Shaft: Ground Screw + Linear Guide
Control Configuration: Industrial Computer + 19" Display Screen

定位精度: 0.02mm
基板最大尺寸: 500×400mm
传动主轴: 研磨丝杆+直线导轨
贴头结构: 滚珠花键
操控配置: 工控电脑+19"显示屏
Number of Mounting Heads: 8
Positioning Accuracy: 0.02mm
PCB Size: 500×400mm
Motor/Drive: Servo System

120mm大理石台面,支持三星飞达
120mm marble countertop, supporting Samsung Feeder

台式贴片机 型号选择

Selection of SMT Machine Series



ZB3545TP

贴装头数量: 4头	定位精度: 0.05mm
相机数量: 6	视觉校正: CCD高清相机+4组快速相机
贴装速度: 6500	基板最大尺寸: 350×450mm
电机/驱动: 步进伺服	传动主轴: 同步带+直线导轨
供料器: 38位	操控配置: 工控电脑+19"显示屏
Model: ZB3545TP	Number of Mounting Heads: 4
Feeder Slots: 38	Positioning Accuracy: 0.05mm
Number of Cameras: 6	PCB Size: 350×450mm
Normal CPH: 5000	Motor/Drive: Stepper Servo
Transmission Main Shaft: Synchronous Belt + Linear Guide	
Control Configuration: Industrial Computer + 19" Display Screen	
Visual Correction: CCD High-Definition Camera + 4 Sets of Quick Cameras	



ZB3245TSS

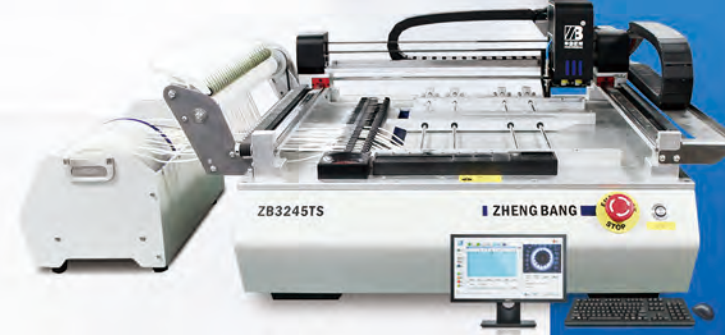
贴装头数量: 2头	定位精度: 0.05mm
相机数量: 4	视觉校正: CCD高清相机+2组快速相机
贴装速度: 5500	基板最大尺寸: 320×450mm
电机/驱动: 步进伺服	传动主轴: 同步带+直线导轨
供料器: 54位	操控配置: 工控电脑+19"显示屏
Model: ZB3245TSS	Number of Mounting Heads: 2
Feeder Slots: 54	Positioning Accuracy: 0.05mm
Number of Cameras: 4	PCB Size: 320×450mm
Normal CPH: 3500	Motor/Drive: Stepper Servo
Transmission Main Shaft: Synchronous Belt + Linear Guide	
Control Configuration: Industrial Computer + 19" Display Screen	
Visual Correction: CCD High-Definition Camera + 2 Sets of Quick Cameras	



PPM-A320VC

贴装头数量: 2头	定位精度: 0.05mm
相机数量: 4	视觉校正: CCD高清相机+2组快速相机
贴装速度: 5500	基板最大尺寸: 320×450mm
电机/驱动: 步进伺服	传动主轴: 同步带+直线导轨
供料器: 54位	操控配置: 工控电脑+19"显示屏
Model: PPM-A320VC	Number of Mounting Heads: 2
Feeder Slots: 54	Positioning Accuracy: 0.05mm
Number of Cameras: 4	PCB Size: 320×450mm
Normal CPH: 3500	Motor/Drive: Stepper Servo
Transmission Main Shaft: Synchronous Belt + Linear Guide	
Control Configuration: Industrial Computer + 19" Display Screen	
Visual Correction: CCD High-Definition Camera + 2 Sets of Quick Cameras	

翻盖防尘罩 · Flip dust cover



ZB3245TS

贴装头数量: 2头	定位精度: 0.05mm
相机数量: 2	视觉校正: CCD高清相机
贴装速度: 5000	基板最大尺寸: 320×450mm
电机/驱动: 步进伺服	传动主轴: 同步带+直线导轨
供料器: 27位	操控配置: 工控电脑+19"显示屏
Model: ZB3245TS	Number of Mounting Heads: 2
Feeder Slots: 27	Positioning Accuracy: 0.05mm
Number of Cameras: 2	PCB Size: 320×450mm
Normal CPH: 3000	Motor/Drive: Step Servo
Transmission Main Shaft: Synchronous Belt + Linear Guide	
Control Configuration: Industrial Computer + 19" Display Screen	
Visual Correction: CCD Gaotao Camera	



ZB3245T

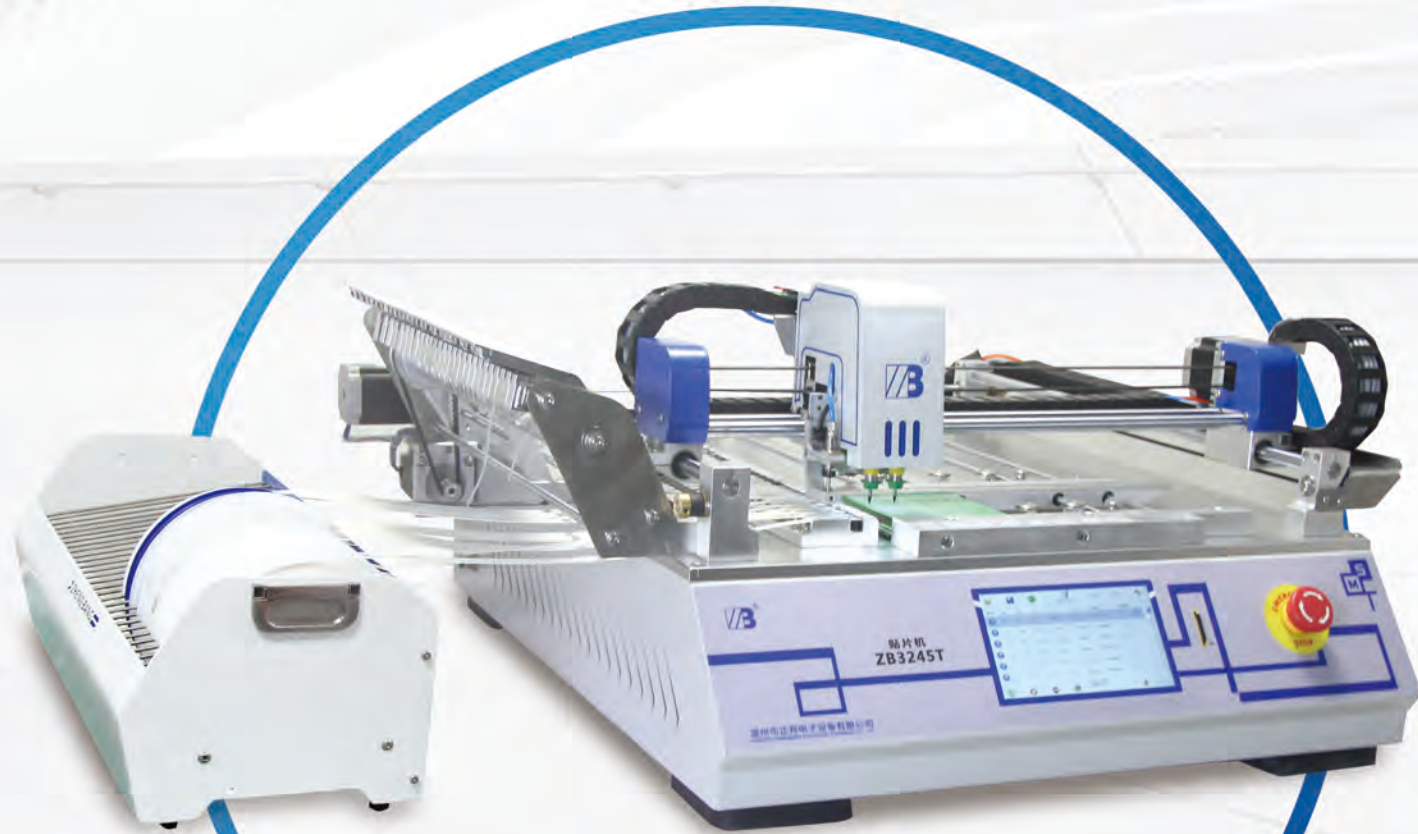
贴装头数量: 2头	定位精度: 0.05mm
相机数量: 无	视觉校正: 无
贴装速度: 4000	基板最大尺寸: 320×450mm
电机/驱动: 步进	传动主轴: 同步带+光轴
供料器: 27位	操控系统: 内置MCU+7"触摸屏
Model: ZB3245T	Number of Mounting Heads: 2
Feeder Slots: 27	Positioning Accuracy: 0.05mm
Number of Cameras: None	PCB Size: 320×450mm
Normal CPH: 4000	Motor/Drive: Stepper
Transmission Main Shaft: Synchronous Belt + Optical Axis	
Control System: Built-in MCU + 7" Touch Screen	
Visual Correction: None	

Desktop Pick and Place Machine

台式贴片机 ZB3245T

ZB3245T贴片机采用MCU控制系统、7寸高清液晶触摸屏，十字光标定位，不带视觉校正功能，双头同时贴装。传动机构配置高精度同步带及双光轴、步进电机。自动剥料供料器27位，无需另配飞达。双Mark点识别定位，校正PCB偏移。支持CSV坐标文件导入编辑，支持最大320*450mmPCB贴装。适用于常规阻容、LED灯珠及IC元件贴装，适合研发设计、实验教学、小批量生产。

ZB series placement machine main features: Small volume, easy operate, runstable and price affordable. They can mount 0402, 0603, 0805, 1206, 1210, 3528, 5050, SOP and QFN etc chips precise. These machines can help to avoid the unstable performance because of manual mounting and reduce the rent cost, improve the product capacity at the same time.



技术参数 TECHNICAL PARAMETER

型号 Model	ZB3245T	前置IC料位 Preposition IC Material Level	8(PCS)
贴装头数量 Mounting Numbers	2(PCS)	管装供料器 Tubular Materials Feeder	正邦专用飞达 (选配) ZB Customized Feeder(Optional)
定位精度 Mounting Precision	0.05MM	X、Y轴移动范围 X/Y Axis Moving Range	410×490MM
贴装角度 Mounting Angle	0~360°	操作软件 Operational Software	嵌入式HRM系统 Embedded HRM System
理论速度 Theoretical Speed	4000	兼容文件格式 Compatible File Format	CSV.格式文件 CSV、TXT.format
正常贴装 Normal CPH	3000	编程方式 Program Method	支持在线、离线2种方式 Support Online and Offline Ways
吸嘴类型 Nozzle Type	JUKI吸嘴 Juki Series Nozzle	气压 Air Pressure	0.4 MPA
元器件高度 SMD Height	≤5.5MM	真空值 Vacuity Degree	-92KPA
基板最小尺寸 PCB Minimal Size	10×10MM	储存 Storage	8G (金士顿SD卡) 8G(Kingston SD Card)
基板最大尺寸 PCB Maximum Size	320×450MM	功率 Power	150W
基板厚度 PCB Thickness	≤2MM	电源 Power Supply	AC220V±10% 50HZ
8 MM	20(PCS)	主机外形尺寸 Main Engine Outline Size	L800×W780×H380MM
12 MM	4(PCS)	供料器外形尺寸 Materials Feeder Outline Size	L235×W700×H245MM
16 MM	2(PCS)	24 MM	1(PCS)
物料种类 Type	27种编带物料:(8MM×20种,12MM×4种,16MM×2种,24MM×1种) 支持定制 27 types of ribbon materials:(8mm x 20 types, 12mm x 4 types, 16mm x 2 types, 24mm x 1 type) supports customization		
净重 Weight	50KG		
可贴元件 Applicable Element	阻容 (0603,0805,1206等) LED灯珠 (0603,0805,3014,5050等) 芯片 (SOT,SOP等) RC (0603,0805,1206 etc) LED Lamp Beads (0603,0805,3014,5050 etc) Chip (SOT,SOP etc)		



双贴装头贴装

Double Mounting Head Mounting



双Mark点定位功能

Dual Mark Point Positioning Function



十字激光定位

Cross Laser Positioning



真空负压检测

Vacuum Negative Pressure Detection

Desktop Pick and Place Machine

台式贴片机 ZB3245TS

ZB3245TS贴片机内置WIN7系统工控电脑、19寸显示屏，高分辨率CCD工业双相机视觉校正系统，双头同时贴装。传动机构配置高精度同步带及直线导轨、步进伺服电机。自动剥料供料器27位，无需另配飞达。支持CSV、TXT坐标文件导入编辑，支持最大320*450mmPCB贴装。适用于常规阻容、LED灯珠及IC元件精准贴装，适合研发设计、实验教学、小批量生产。

The ZB series mounter is suitable for small and medium-sized enterprises' massproduction, experimental development, sample trial production and school teaching andso on. The design concept of the machine is to meet the needs of the vast number ofsmall and medium customers, with the rapid and accurate mounting, easy operation,stable running and affordable price. It has a very high performance- price ratio and isyour best choice!



技术参数 TECHNICAL PARAMETER

型号 Model	ZB3245TS	X、Y轴移动范围 X/Y Axis Moving Range	430×530MM
贴装头数量 Mounting Numbers	2(PCS)	Z轴旋转角度 Z-Axis Rotation Angle	0~360°
定位精度 Mounting Precision	0.05MM	视觉相机 Visual Camera	CCD高清相机 CCD High-definition Camera
贴装角度 Mounting Angle	0~360°	视觉数量 Numbers of Visual	2只 (元件相机、PCB相机) Parts Camera×1、PCB Camera×1
贴装速度 Normal CPH	5000	识别能力 Recognition Capability	MAX.22×22MM
吸嘴类型 Suction Nozzle Type	JUKI吸嘴 Juki Series Nozzle	PC系统 PC System	微软WIN7 Microsoft WIN7
元器件高度 SMD Height	≤5.5MM (支持定制≤11MM) (Customize ≤11mm)	操作软件 Operational Software	自主研发 R & D
基板最小尺寸 PCB Minimal Size	10×10MM	兼容文件格式 Compatible File Format	CSV.格式文件 CSV. Format
基板最大尺寸 PCB Maximum Size	320×450MM	编程方式 Program Method	支持在线、离线2种方式 Support Online and Offline Ways
基板厚度 PCB Thickness	≤2MM	气压 Air Pressure	0.4 MPA
前置 IC 料位 Front IC Location	10位(PCS)	真空值 Vacuity Degree	-92KPA
后置 IC 托盘 Back IC Tray	1位(PCS)	功率 Power	150W
管装供料器 Vibration Feeder	正邦专用飞达 (选配) ZB Customized Feeder(Optional)	电源 Power Supply	AC220V±10% 50HZ
可贴元件 Applicable Element	阻容 (0201,0402,0603,0805,1206等)	主机外形尺寸 Main Engine Outline Size	L830×W730×H375MM
	LED灯珠 (0603,0805,3014,5050等)	供料器外形尺寸 Materials Feeder Outline Size	L235×W470×H245MM
	芯片 (SOT,SOP,QFN,BGA等)	重量 Weight	56KG
	RC (0201,0402,0603,0805,1206 etc) LED Lamp Beads (0603,0805,3014,5050 etc) Chip (SOT,SOP,QFN,BGA etc)		
物料种类 Type	27种编带物料:(8MM×20种,12MM×4种,16MM×2种,24MM×1种) 支持定制 27 types of ribbon materials:(8mm x 20 types, 12mm x 4 types, 16mm x 2 types, 24mm x 1 type) Supports customization		



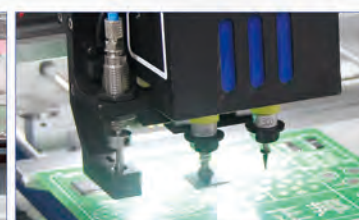
步进伺服电机

Stepping Servo Motor



CCD工业相机

CCD industrial camera



双贴装头贴装

 Double Mounting
Head Mounting


内置工控电脑

Built in Industrial Computer

Desktop Pick and Place Machine

台式贴片机 ZB3245TSS

ZB3245TSS贴片机内置WIN7系统工控电脑、19寸显示屏，多组高分辨率CCD工业相机视觉校正系统，双头同时贴装。传动机构配置高精度同步带及直线导轨、步进伺服电机。自动剥料供料器54位，无需另配飞达。支持CSV、TXT坐标文件导入编辑，支持最大320*450mmPCB贴装。适用于常规阻容、LED灯珠及IC元件精准贴装，适合研发设计、实验教学、小批量生产。

The ZB3245TSS series mounter with 2heads ,can pick and place at the same time. Independent 54 feeder station, 19"Dell display, multiple sets of high resolution CCD industry dual camera vision.

The transmission mechanism is equipped with high precision synchronous belt.and Linear Guideway,stepping servo motor.support CSV. document edit. Maximum PCB 320*450mm, suit for general resistance capacity



技术参数 TECHNICAL PARAMETER

型号 Model	ZB3245TSS	X、Y轴移动范围 X/Y Axis Moving Range	430×530MM
贴装头数量 Mounting Numbers	2(PCS)	Z轴旋转角度 Z-Axis Rotation Angle	0~360°
定位精度 Mounting Precision	0.05MM	视觉相机 Visual Camera	CCD高清相机 CCD High-definition Camera
贴装角度 Mounting Angle	0~360°	视觉数量 Numbers of Visual	4只 (3元件相机、PCB相机) Parts Camera×3、PCB Camera×1
贴装速度 Normal CPH	5500	识别能力 Recognition Capability	MAX.22×22MM
吸嘴类型 Suction Nozzle Type	JUKI吸嘴 Juki Series Nozzle	PC系统 PC System	微软WIN7 Microsoft WIN7
元器件高度 SMD Height	≤5.5MM (支持定制≤11MM) (Customize ≤11mm)	操作软件 Operational Software	自主研发 R & D
基板最小尺寸 PCB Minimal Size	10×10MM	兼容文件格式 Compatible File Format	CSV.格式文件 CSV. Format
基板最大尺寸 PCB Maximum Size	320×450MM	编程方式 Program Method	支持在线、离线2种方式 Support Online and Offline Ways
基板厚度 PCB Thickness	≤2MM	气压 Air Pressure	0.4 MPA
前置 IC 料位 Front IC Location	10位(PCS)	真空值 Vacuity Degree	-92KPA
后置 IC 托盘 Back IC Tray	1位(PCS)	功率 Power	230W
管装供料器 Vibration Feeder	正邦专用飞达 (选配) ZB Customized Feeder(Optional)	电源 Power Supply	AC220V±10% 50HZ
可贴元件 Applicable Element	阻容 (0201,0402,0603,0805,1206等)	主机外形尺寸 Main Engine Outline Size	L990×W730×H375MM
	LED灯珠 (0603,0805,3014,5050等)	供料器外形尺寸 Materials Feeder Outline Size	L235×W470×H245MM
	芯片 (SOT,SOP,QFN,BGA等)	重量 Weight	85KG
	RC (0201,0402,0603,0805,1206 etc) LED Lamp Beads (0603,0805,3014,5050 etc) Chip (SOT,SOP,QFN,BGA etc)		
物料种类 Type	54种编带物料:(8MM×40种,12MM×8种,16MM×4种,24MM×2种) 支持定制 54 types of ribbon materials:(8mm x 40 types, 12mm x 8 types, 16mm x 4 types, 24mm x 2 type) Supports customization		



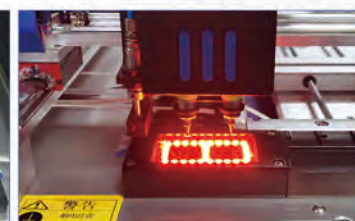
步进伺服电机

Stepping Servo Motor



54位料栈

54 bit material stack



双贴装头贴装

Double Mounting Head Mounting



内置工控电脑

Built in industrial Computer

Desktop Pick and Place Machine

台式贴片机 ZB3545TP

ZB3545TP贴片机内置WIN7系统工控电脑、19寸显示屏，多组CCD工业相机分类视觉识别校正系统，4头同时贴装。

传动机构配置上银直线导轨、日本进口皮带，能维持长期高精度稳定贴装。38位YAMAHA气动飞达，支持CSV、TXT坐标文件导入编辑，最大350*450mmPCB贴装。适用于常规阻容、LED灯珠、IC、BGA等元件高精度贴装，适合研发设计、实验教学、批量生产。

It is with Multi-group industrial CCD camera solution, identification and correction system, 4 headpick and place at the same time. PC monitor, 19 inch Dell display. For the transmission structure, machine with HIWIN linear guider, Japanese belt, can achieve long term high precision and stable mounting. Maximum support 38 pcs of 8mm YAMAHA CL feeder stations. Also CSV, TXT coordinate file can be adopted.

The maximum PCB size allowed: 350*450mm, normally it is used for normal resistance, capacitance LED, chips, BGA, etc. Mainly used for small production and prototyping business, with self-designed operating system for developers



技术参数 TECHNICAL PARAMETER

型号 Model	ZB3545TP	Z轴旋转角度 Z Axis Moving Range	12MM
贴装头数量 Mounting Numbers	4(PCS)	视觉相机 Visual Camera	CCD高清相机 CCD High-definition Camera
定位精度 Mounting Precision	0.05MM	视觉数量 Numbers of Visual	6只(PCB相机, 高清相机, 高速相机X4) PCB Camera×1、 Precision Identification Camera×1、 High Speed Identification Camera×4
贴装角度 Mounting Angle	0~360°	识别能力 Recognition Capability	MAX.22×22MM
贴装速度 Normal CPH	6500	PC系统 PC System	微软WIN7 Microsoft WIN7
吸嘴类型 Suction Nozzle Type	JUKI吸嘴 Juki Series Nozzle	操作软件 Operational Software	自主研发 R & D
元器件高度 SMD Height	≤6MM (支持定制≤11MM) ≤6mm(Customize ≤11mm)	兼容文件格式 Compatible File Format	CSV.格式文件 CSV. Format
基板最小尺寸 PCB Minimal Size	10×10MM	编程方式 Program Method	支持在线、离线2种方式 Support Online and Offline Ways
基板最大尺寸 PCB Maximum Size	350×450MM	气压 Air Pressure	0.8 MPA
基板厚度 PCB Thickness	≤2MM	真空产生方式 Vacuity Degree	真空发生器 Vacuum Generator
供料器类型 Feeder Type	雅马哈CL供料器 YAMAHA CL Feeder	真空值 Air Pressure	-80KPA
供料器规格 Feeder	8MM,12MM,16MM,24MM,32MM	功率 Power	500W
供料器数量 Feeder Locations	38位飞达孔位 38 Feida hole positions	电源 Power Supply	AC220V±10% 50HZ
管装供料器 Vibration Feeder	雅马哈YV供料器 YAMAHA YV Feeder	外形尺寸 Outline Size	L1185×W840×H560MM
IC托盘 IC Tray	前置1只 Front 1 Piece	重量 Weight	123KG
X、Y轴移动范围 X/Y Axis Moving Range	655×575MM	可贴元件 Applicable Element	阻容 (0201,0402,0603,0805,1206等) LED灯珠 (0603,0805,3014,5050等) 芯片 (SOT,SOP,QFN,BGA等) RC (0201,0402,0603,0805,1206 etc) LED Lamp Beads (0603,0805,3014,5050 etc) Chip (SOT,SOP,QFN,BGA etc)



步进+伺服系统

Stepping+servo system



CCD高清识别相机

 CCD High-Definition
Recognition Camera


上银滑轨+进口皮带

 Upper Silver Slide
Rail+Imported Belt


四组快速识别相机

 Four Sets of Fast
Recognition Cameras

ZB4050LS (轧制)(Rolling)
ZB4050LY (研磨)(Grinding)

Vertical Vision Pick and Place Machine

全自动贴片机 (6头)



独创元件信息库功能 Original Component Information Library Function
 伺服系统 Panasonic Servo System
 轧制/研磨丝杆 Grinding Screw
 上银直线导轨 HIWIN Linear Guide
 500万高精识别相机 5 Million High Precision Recognition Camera
 三段式导轨 Three-Section Rail
 真空发生器 Vacuum Generator
 六头同步识别贴装 Six-Head Synchronous Identification Placement



技术参数 TECHNICAL PARAMETER

型号 Model	ZB4050LS/ZB4050LY	调宽结构 Width Adjustment Structure	同步带+直线滑轨 Synchronous Belt + Linera Slide Rail
贴装头数量 Mounting Numbers	6只 (三头同取) 6 Heads (Three-Head Simultaneous Pickup)	调宽方式 Width Adjustment Method	一键调宽 One Click Width Adjustment
定位精度 Positioning Accuracy	0.02MM	顶板结构 Top Plate Structure	顶针气缸 Top pin cylinder
贴装精度 Mounting Precsisian	±0.05MM	支持类型 Supported Types	雅马哈气动CL款, 电动YV款, 管状供料器等 Yamaha Pneumatic Cl Model, Electric YV Model, Tube Feeder, etc.
贴装角度 Mounting Angle	0~360°	支持规格 Supported Specifications	8MM, 12MM, 16MM, 24MM, 32MM, 44MM etc.
理论贴片速度 Theoretical Mounting Speed	15000	料位数量 Number of Component Positions	64位 64 Positions
综合贴片速度 Normal CPH	11000	IC托盘位 IC Tray Positions	2位 2 Positions
吸嘴类型 Suction Nozzle Type	JUKI通用吸嘴 Juki Series Nozzle	X,Y轴移动范围 X, Y-Axis Travel Range	639MM*656MM
元件封装 Component Packaging	盘装/管装/托盘封装/震动盘 Tray Loading/Tube Loading/ Tray Packaging/Vibrating Tray	Z轴贴装行程 Z-Axis Mounting Stroke	15MM
元件高度 SMD Height	≤6MM (支持定制≤12MM) ≤6mm(Customize ≤12mm)	R轴旋转角度 R-Axis Rotation Angle	0~360°
元件尺寸 Component Dimensions	≤40MM (支持定制) ≤40mm(Customize Support)	视觉相机 Vision Camera	CCD高清相机 CCD High-Definition Camera
基板最小尺寸 PCB Minimal Size	45×45 MM	视觉数量 Number of Vision Cameras	MARK相机×1, 高清相机×1, 高速相机×6 Mark Camera×1, Precision Identification Camera×1, High Speed Identification Camera×6
基板最大尺寸 (不带托盘) Maximum Board Size (Without Tray)	500×400 MM	识别方式 Recognition Method	高清定拍 High-Definition Fixed Camera
基板最大尺寸 (带托盘) Maximum Board Size (With Tray)	500×250 MM	PC系统 PC System	Microsoft WIN7
基板厚度 PCB Thickness	≤2MM (支持定制) ≤2mm(Customize Support)	操作软件 Operating Software	自主研发 Self-Developed
基板翘曲允许值 Permissible Board Warpage	≤1MM	兼容文件格式 Compatible File Formats	.CSV格式文件 .CSV.Format
XY驱动系统 XY drive system	伺服驱动+电机 Servo Drive + Motor	编程方式 Programming Method	支持在线, 离线2种方式 Support Online and Offline Ways
X驱动结构 X drive Structure	单驱直联双滑轨+高强度航空铝 Single-Drive Direct-Connected Dual Linear Guide Rail+ High-Strength Aerospace Aluminum	外置气源 External Air Source	0.8MPA
Y驱动结构 Y drive Structure	单驱直联双滑轨+高强度航空铝 Single-Drive Direct-Connected Dual Linear Guide Rail+ High-Strength Aerospace Aluminum	真空产生方式 Vacuum Generation Method	真空发生器 Vacuum Generator
XY传动结构 XY Transmission Structure	进口研磨丝杆+进口直线滑轨 Imported Ground Ball Screw + Imported Linear Slide Rail	真空值 Vacuum Value	-80KPA
Z轴运动结构 Z-Axis motion Structure	摆臂驱动 Swing arm drive	安全防护 Safety Protection	飞达翘起保护, 开盖减速或停止 Feeder Lift Protection, Slow Down Or Stop When Cover Is Opened
A轴运动结构 A-Axis motion Structure	独立直联驱动 Independent Direct Drive	上下位机接口 Upper and Lower Computer Interface	标准SMEMA接口 Standard SMEMA Connector
传板结构 Conveying Structure	铝导轨 Aluminum Guide Rail	功率 Power	额定功率1.5KW 工作功率0.35KW Rated Power 1.5Kw, Working Power 0.35Kw
传板电机 Conveying Motor	驱控一体步进电机 Drive-Control Integrated Stepper Motor	电源 Power Supply	AC220V±10% 50HZ
传板方式 Conveying Method	三段式六驱动 Three-stage Six-Drive	主机外形尺寸 Mainframe Dimensions	L 1335 × W 1200 × H 1390 MM
传板方向 Conveying Direction	L→R (支持定制) L→R (Customize Support)	重量 Weight	440KG
可贴元件 Compatible Components	电阻 (0201, 0402, 0603, 0805, 1206等) LED灯珠、二极管、MOS管、电解电容、异形器件等 芯片 (SOT、SOP、QFN、BGA等) Resistance and capatitance (0201, 0402, 0603, 0805, 1206, etc.), Led Lamp Beads, Diodes, Mos Tubes, Electrolytic Capacitors, Irregular Components, etc. Chips (SOT, SOP, QFN, BGA, etc.)		

北辰 BC-6Y

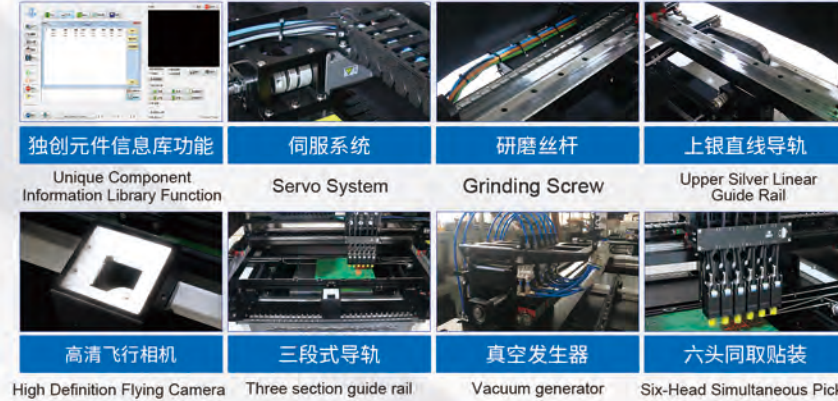
BC-6Y贴片机贴头采用独立直连式结构,支持6贴头同步取料。配置松下高分辨率伺服驱动及电机、进口直线导轨、进口研磨丝杆,能维持长期高精度稳定贴装。内置工控电脑,高清以太网飞行相机视觉校正系统。66位供料飞达位,支持CSV坐标文件导入,最大支持400*500mm PCB贴装。

适用于常规阻容、芯片、异形元件、超高元器件、超大元器件的精密贴装,适合自动化批量生产。

The BC-6Y placement machine uses an independent direct-drive structure for the mounting heads, supporting simultaneous pickup with 6 heads. It is equipped with Panasonic high-resolution servo drive and motor, imported linear guide rails, and imported ground ball screws, ensuring long-term high-precision and stable mounting. It features a built-in industrial computer, high-definition Ethernet flying camera vision correction system. With 56 feeder positions, it supports CSV coordinate file import and can accommodate PCB mounting up to 400*500 mm. Suitable for precise mounting of standard resistors, chips, irregular components, ultra-high devices, and extra-large components, it is ideal for automated mass production.

Vertical Vision Pick and Place Machine

全自动贴片机 (6头)



Unique Component Information Library Function Servo System Grinding Screw Upper Silver Linear Guide Rail
 High Definition Flying Camera Three section guide rail Vacuum generator Six-Head Simultaneous Pickup



技术参数 TECHNICAL PARAMETER

型号 Model	BC-6Y	调宽结构 Width Adjustment Structure	同步带+直线导轨 Synchronous Belt + Linera Slide Rail
贴装头数量 Mounting Numbers	6只 (六头同取) 6 Heads (Six-Head Simultaneous Pickup)	调宽方式 Width Adjustment Method	自动调宽 Automatic Width Adjustment
定位精度 Positioning Accuracy	0.02MM	顶板结构 Top Plate Structure	气缸托板+活动顶针 Cylinder Tray + Movable Needle
贴装精度 Mounting Precsision	±0.05MM	支持类型 Supported Types	雅马哈气动CL款,电动YV款,管状供料器等 Yamaha Pneumatic Cl Model, Electric YV Model, Tube Feeder, etc.
贴装角度 Mounding Angle	0~360°	支持规格 Supported Specifications	8MM,12MM,16MM,24MM,32MM,44MM etc.
理论贴片速度 Theoretical Mou nting Speed	21000	料位数量 Number of Component Positions	66位 66 Positions
综合贴片速度 Normal CPH	12000	IC托盘位 IC Tray Positions	2位 2 Positions
吸嘴类型 Suction Nozzle Type	JUKI通用吸嘴 Juki Series Nozzle	X,Y轴移动范围 X, Y-Axis Travel Range	620MM*700MM
元件封装 Component Packaging	盘装/管装/托盘封装/震动盘 Tray Loading/Tube Loading/ Tray Packaging/Vibrating Tray	Z轴贴装行程 Z-Axis Mounting Stroke	27MM
元件高度 SMD Height	≤13MM (支持定制≤12MM) ≤13mm(Customize ≤12mm)	R轴旋转角度 R-Axis Rotation Angle	0~360°
元件尺寸 Component Dimensions	≤40MM (支持定制) ≤40mm(Customize Support)	视觉相机 Vision Camera	工业以太网高清相机 Industrial Ethernet High-Definition Camera
基板最小尺寸 PCB Minimal Size	45×45 MM	视觉数量 Number of Vision Cameras	MARK相机×1, 飞拍相机×1 Mark Camera X1、Flying Probe Camera X1
基板最大尺寸 (不带托盘) Maximum Board Size (Without Tray)	500×400 MM	识别方式 Recognition Method	飞拍+高清定拍 Flying Probe + High-Definition Fixed Camera
基板最大尺寸 (带托盘) Maximum Board Size (With Tray)	500×220 MM	PC系统 PC System	Microsoft WIN10
基板厚度 PCB Thickness	≤2MM (支持定制) ≤2mm(Customize Support)	操作软件 Operating Software	自主研发 Self-Developed
基板翘曲允许值 Permissible Board Warpage	≤1MM	兼容文件格式 Compatible File Formats	.CSV格式文件 .CSV.Format
XY驱动系统 XY drive system	松下伺服驱动+电机 Panasonic Servo Drive + Motor	编程方式 Programming Method	支持在线,离线2种方式 Support Online and Offline Ways
X驱动结构 X drive Structure	单驱直联双滑轨+高强度航空铝 Single-Drive Direct-Connected Dual Linear Guide Rail+ High-Strength Aerospace Aluminum	外置气源 External Air Source	0.8MPA
Y驱动结构 Y drive Structure	单驱直联双滑轨+高强度航空铝 Single-Drive Direct-Connected Dual Linear Guide Rail+ High-Strength Aerospace Aluminum	真空产生方式 Vacuum Generation Method	真空发生器 Vacuum Generator
XY传动结构 XY Transmission Structure	进口研磨丝杆+进口直线导轨 Imported Ground Ball Screw + Imported Linear Slide Rail	真空值 Vacuum Value	-80KPA
Z轴运动结构 Z-Axis motion Structure	独立直联驱动 Independent Direct Drive	安全防护 Safety Protection	飞达翘起保护,开盖减速或停止 Feeder Lift Protection,Slow Down Or Stop When Cover Is Opened
A轴运动结构 A-Axis motion Structure	独立直联驱动 Independent Direct Drive	上下位机接口 Upper and Lower Computer Interface	标准SMEMA接口 Standard SMEMA Connector
传板结构 Conveying Structure	铝导轨 Aluminum Guide Rail	功率 Power	额定功率1.5KW工作功率0.35KW Rated Power 1.5Kw, Working Power 0.35Kw
传板电机 Conveying Motor	驱控一体步进电机 Drive-Control Integrated Stepper Motor	电源 Power Supply	AC220V±10% 50HZ
传板方式 Conveying Method	三段式六驱动 Three-stage Six-Drive	主机外形尺寸 Mainframe Dimensions	L 1310 × W 1220 × H 1450 MM
传板方向 Conveying Direction	L→R (支持定制) L→R (Customize Support)	重量 Weight	680KG
可贴元件 Compatible Components	阻容 (0201,0402,0603,0805,1206等) LED灯珠、二极管、MOS管、电解电容、异形器件等 芯片 (SOT、SOP、QFN、BGA等) Resistance and capatitance (0201, 0402, 0603, 0805, 1206, etc.), Led Lamp Beads,Diodes, Mos Tubes,Electrolytic Capacitors, Irregular Components,etc. Chips(SOT,SOP,QFN,BGA,etc.)		

北辰 BC-8Y

BC-8Y贴片机贴头采用独立直连式结构,支持8贴头同步取料。配置松下高分辨率伺服驱动及电机、进口直线导轨、进口研磨丝杆,能维持长期高精度稳定贴装。内置工控电脑,高清以太网飞行相机视觉校正系统。采用120mm大理石底座运行稳定,支持CSV坐标文件导入,最大支持400*500mm PCB贴装。

适用于各类异形元件的精密、高速贴装,适合自动化批量生产。

The BC-8Y surface mount machine adopts an independent direct connection structure for the mounting heads, supporting synchronous feeding of 8 mounting heads. Equipped with Panasonic high-resolution servo drive and motor, imported linear guide rail, and imported grinding screw, it can maintain long-term high-precision and stable mounting. Built in industrial computer, high-definition Ethernet flight camera visual correction system. Using a 120mm marble base for stable operation, supporting CSV coordinate file import, and supporting up to 400 * 500mm PCB mounting.

Suitable for precision and high-speed mounting of various shaped components, suitable for automated mass production.

Vertical Vision Pick and Place Machine

全自动贴片机 (8头)



技术参数 TECHNICAL PARAMETER

型号 Model	BC-8Y	调宽结构 Width Adjustment Structure	同步带+直线导轨 Synchronous Belt + Linera Slide Rail
贴装头数量 Mounting Numbers	8只 (八头同取) 8 Heads (Eight-Head Simultaneous Pickup)	调宽方式 Width Adjustment Method	自动调宽 Automatic Width Adjustment
定位精度 Positioning Accuracy	0.02MM	夹板方式 Clamping Method	顶升夹板 Top lifting clamp
贴装精度 Mounting Precsisian	±0.05MM	顶板结构 Top Plate Structure	气缸托板+活动顶针 Cylinder support plate+movable ejector pin
贴装角度 Mounting Angle	0~360°	支持类型 Supported Types	柔振供料系统 Flexible vibration feeding system
理论贴片速度 Theoretical Mou nting Speed	28000	支持规格 Supported Specifications	按产品需求定制柔振料槽 Customize according to product requirements
综合贴片速度 Normal CPH	16000(定制按实际产品为准) 16000 (customized according to actual product)	料位数量 Number of Component Positions	1位 1 Positions
吸嘴类型 Suction Nozzle Type	JUKI通用吸嘴 Juki Series Nozzle	X,Y轴移动范围 X, Y-Axis Travel Range	620MM*700MM
元件封装 Component Packaging	盘装/管装/托盘封装/震动盘 Tray Loading/Tube Loading/ Tray Packaging/Vibrating Tray	Z轴贴装行程 Z-Axis Mounting Stroke	27MM
元件高度 SMD Height	≤13MM (支持定制) ≤13mm(Customize Support)	R轴旋转角度 R-Axis Rotation Angle	0~360°
元件尺寸 Component Dimensions	≤40MM (支持定制) ≤40mm(Customize Support)	视觉相机 Vision Camera	工业以太网高清相机 Industrial Ethernet High-Definition Camera
基板最小尺寸 PCB Minimal Size	45×45 MM	视觉数量 Number of Vision Cameras	MARK相机×1, 飞拍相机×1 Mark Camera X1、Flying Probe Camera X1
基板最大尺寸 (不带托盘) Maximum Board Size (Without Tray)	500×400 MM	识别方式 Recognition Method	飞拍+高清定拍 Flying Probe + High-Definition Fixed Camera
基板最大尺寸 (带托盘) Maximum Board Size (With Tray)	500×220 MM	PC系统 PC System	Microsoft WIN10
基板厚度 PCB Thickness	≤2MM (支持定制) ≤2mm(Customize Support)	操作软件 Operating Software	自主研发 Self-Developed
基板翘曲允许值 Permissible Board Warpage	≤1MM	兼容文件格式 Compatible File Formats	.CSV格式文件 .CSV.Format
XY驱动系统 XY drive system	松下伺服驱动+电机 Panasonic Servo Drive + Motor	编程方式 Programming Method	支持在线、离线2种方式 Support Online and Offline Ways
X驱动结构 X drive Structure	单驱直联双滑轨+高强度航空铝 Single-Drive Direct-Connected Dual Linear Guide Rail+ High-Strength Aerospace Aluminum	外置气源 External Air Source	0.8MPA
Y驱动结构 Y drive Structure	单驱直联双滑轨+高强度航空铝 Single-Drive Direct-Connected Dual Linear Guide Rail+ High-Strength Aerospace Aluminum	真空产生方式 Vacuum Generation Method	真空发生器 Vacuum Generator
XY传动结构 XY Transmission Structure	进口研磨丝杆+进口直线导轨 Imported Ground Ball Screw + Imported Linear Slide Rail	真空值 Vacuum Value	-80KPA
Z轴运动结构 Z-Axis motion Structure	独立直联驱动 Independent Direct Drive	安全防护 Safety Protection	飞达翘起保护,开盖减速或停止 Feeder Lift Protection, Slow Down Or Stop When Cover Is Opened
A轴运动结构 A-Axis motion Structure	独立直联驱动 Independent Direct Drive	上下位机接口 Upper and Lower Computer Interface	标准SMEMA接口 Standard SMEMA Connector
传板结构 Conveying Structure	铝导轨 Aluminum Guide Rail	功率 Power	额定功率1.5KW工作功率0.35KW Rated Power 1.5Kw, Working Power 0.35Kw
传板电机 Conveying Motor	驱控一体步进电机 Drive-Control Integrated Stepper Motor	电源 Power Supply	AC220V±10% 50HZ
传板方式 Conveying Method	三段式六驱动 Three-stage Six-Drive	主机外形尺寸 Mainframe Dimensions	L 1310 × W 1220 × H 1450 MM
传板方向 Conveying Direction	L→R (支持定制) L→R (Customize Support)	重量 Weight	960KG
可贴元件 Compatible Components	支持各类异形、散料产品 Support various types of irregular and bulk products		

望舒 WS-8Y

WS-8Y贴片机贴头采用滚珠花键式结构,支持8贴装头同步取料。传动机构配置松下高分辨率伺服驱动及电机,THK直线导轨,THK研磨丝杆,能维持长期高精度稳定贴装。

传板结构采用超平铝导轨,三段式六驱动传板平稳稳定。内置工控电脑,高清以太网飞行相机视觉校正系统。70位供料飞达位,支持CSV坐标文件导入,最大支持400*500mm PCB贴装。

适用于常规阻容、芯片、异形元件、超高元器件、超大元器件的精密贴装。适合高速自动化生产需求。

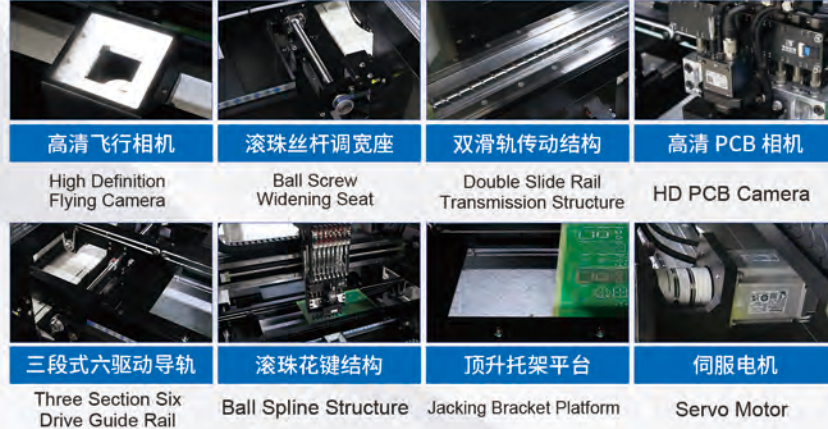
The WS-8Y placement machine features a ball spline structure for the mounting heads, supporting simultaneous pickup with 8 heads. The transmission mechanism is equipped with Panasonic high-resolution servo drive and motor, THK linear guide rails, and THK ground ball screws, ensuring long-term high-precision and stable mounting.

The conveying structure adopts super-flat aluminum guide rails, and the three-stage six-drive conveying mechanism ensures smooth and stable board transfer. It includes a built-in industrial computer and a high-definition Ethernet flying camera vision correction system. With 70 feeder positions, it supports CSV coordinate file import and can accommodate PCB mounting up to 400*500 mm.

Suitable for precise mounting of standard resistors, chips, irregular components, ultra-high devices, and extra-large components, it is ideal for high-speed automated production requirements.

Vertical Vision Pick and Place Machine

全自动贴片机 (8头)



技术参数 TECHNICAL PARAMETER

型号 Model	WS-8Y	调宽结构 Width Adjustment Structure	双滚珠丝杆+直线滑轨 Dual Ground Ball Screws + Linear Slide Rail
贴装头数量 Mounting Numbers	8只 (八头同取) 8 Heads (Eight-Head Simultaneous Pickup)	调宽方式 Width Adjustment Method	自动调宽 Automatic Width Adjustment
定位精度 Positioning Accuracy	0.02MM	顶板结构 Top Plate Structure	气缸托板+活动顶针 Cylinder Tray + Movable Needle
贴装精度 Mounting Precision	±0.05MM	支持类型 Supported Types	雅马哈气动CL款,电动YV款,管状供料器等 Yamaha Pneumatic CL Model, Electric YV Model, Tube Feeder, etc.
贴装角度 Mounting Angle	0~360°	支持规格 Supported Specifications	8MM,12MM,16MM,24MM,32MM,44MM etc.
理论贴片速度 Theoretical Mounting Speed	30000	料位数量 Number of Component Positions	70位 70 Positions
综合贴片速度 Normal CPH	16000	IC托盘位 IC Tray Positions	1位 1 Positions
吸嘴类型 Suction Nozzle Type	JUKI通用吸嘴 Juki Series Nozzle	X,Y轴移动范围 X, Y-Axis Travel Range	630MM*700MM
元件封装 Component Packaging	盘装/管装/托盘封装/震动盘 Tray Loading/Tube Loading/ Tray Packaging/Vibrating Tray	Z轴贴装行程 Z-Axis Mounting Stroke	27MM
元件高度 SMD Height	≤13MM (支持定制≤12MM) ≤13mm(Customize ≤12mm)	R轴旋转角度 R-Axis Rotation Angle	0~360°
元件尺寸 Component Dimensions	≤40MM (支持定制) ≤40mm(Customize Support)	视觉相机 Vision Camera	工业以太网高清相机 Industrial Ethernet High-Definition Camera
基板最小尺寸 PCB Minimal Size	45×45 MM	视觉数量 Number of Vision Cameras	MARK相机×1, 飞拍相机×1 Mark Camera X1, Flying Probe Camera X1
基板最大尺寸 (不带托盘) Maximum Board Size (Without Tray)	500×400 MM	识别方式 Recognition Method	飞拍+高清定拍 Flying Probe + High-Definition Fixed Camera
基板最大尺寸 (带托盘) Maximum Board Size (With Tray)	500×260 MM	PC系统 PC System	Microsoft WIN10
基板厚度 PCB Thickness	≤3MM (支持定制) ≤3mm(Customize Support)	操作软件 Operating Software	自主研发 Self-Developed
基板翘曲允许值 Permissible Board Warpage	≤2MM	兼容文件格式 Compatible File Formats	.CSV格式文件 .CSV.Format
XY驱动系统 XY drive system	伺服驱动+电机 Servo Drive + Motor	编程方式 Programming Method	支持在线,离线2种方式 Support Online and Offline Ways
X驱动结构 X drive Structure	单驱直联双滑轨+高强度成型铝 Single-drive direct-connected dual linear guide rail + high-strength molded aluminum	外置气源 External Air Source	0.8MPA
Y驱动结构 Y drive Structure	单驱直联三滑轨+高强度成型铝 Single-drive direct-connected triple linear guide rail + high-strength molded aluminum	真空产生方式 Vacuum Generation Method	内置无油真空泵 Built-in Oil-Free Vacuum Pump
XY传动结构 XY Transmission Structure	进口研磨丝杆+进口直线滑轨 Imported Ground Ball Screw + Imported Linear Slide Rail	真空值 Vacuum Value	-80KPA
Z轴运动结构 Z-Axis motion Structure	滚珠花键 Ball Spline	安全防护 Safety Protection	飞达翘起保护,开盖减速或停止 Feeder Lift Protection, Slow Down Or Stop When Cover Is Opened
A轴运动结构 A-Axis motion Structure	同步花键 Synchronous Spline	上下位机接口 Upper and Lower Computer Interface	标准SMEMA接口 Standard SMEMA Connector
传板结构 Conveying Structure	超平铝导轨 Super-Flat Aluminum Guide rail	功率 Power	额定功率2KW工作功率0.7KW Rated Power 2Kw, Working Power 0.7Kw
传板电机 Conveying Motor	驱控一体步进电机 Drive-Control Integrated Stepper Motor	电源 Power Supply	AC220V±10% 50HZ
传板方式 Conveying Method	三段式六驱动 Three-stage Six-Drive	主机外形尺寸 Mainframe Dimensions	L 1355 × W 1300 × H 1450 MM
传板方向 Conveying Direction	L→R (支持定制) L→R (Customize Support)	重量 Weight	840KG
可贴元件 Compatible Components	阻容 (0201,0402,0603,0805,1206等) LED灯珠、二极管、MOS管、电解电容、异形器件等 芯片 (SOT、SOP、QFN、BGA等) Resistance and capacitance (0201, 0402, 0603, 0805, 1206, etc.), Led Lamp Beads, Diodes, Mos Tubes, Electrolytic Capacitors, Irregular Components, etc. Chips (SOT, SOP, QFN, BGA, etc.)		

望舒 WS-8N

WS-8N贴片机贴头采用滚珠花键式结构,支持8贴头同步取料。传动机构配置松下高分辨率伺服驱动及电机,THK直线导轨,THK研磨丝杆,能维持长期高精度稳定贴装。

传板结构采用超平铝导轨,三段式六驱动传板平稳稳定。内置工控电脑,高清以太网飞行相机视觉校正系统。

采用120mm大理石底座运行稳定,70位送料飞达位,支持NXT飞达,支持CSV坐标文件导入,最大支持400*500mmPCB贴装。

适用于各类异形元件的精密、高速贴装,适合自动化批量生产。

The WS-8N surface mount machine adopts a ball spline structure for the mounting head, which supports synchronous feeding of 8 mounting heads. The transmission mechanism is equipped with Panasonic high-resolution servo drive and motor, THK linear guide rail, THK grinding screw, which can maintain long-term high-precision and stable mounting.

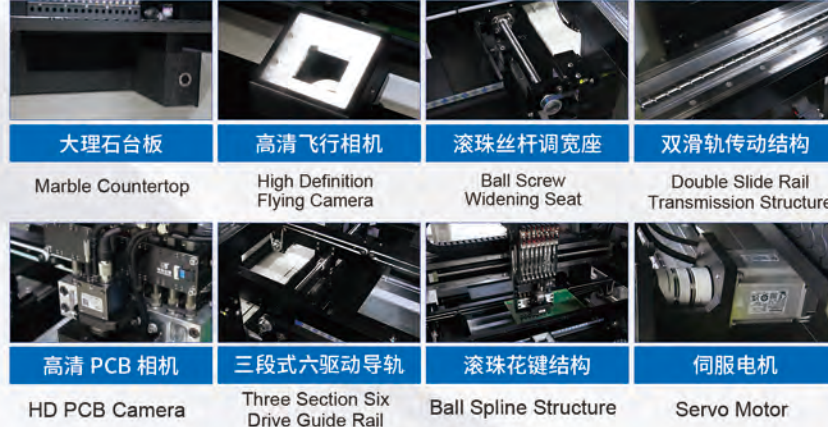
The transfer plate structure adopts ultra flat aluminum guide rails, and the three-stage six drive transfer plate is stable and stable. Built in industrial computer, high-definition Ethernet flight camera visual correction system.

Using a 120mm marble base for stable operation, with 70 feeding and delivery positions, supporting NXT delivery, CSV coordinate file import, and maximum support for 400 * 500mm PCB mounting.

Suitable for precision and high-speed mounting of various shaped components, suitable for automated mass production.

Vertical Vision Pick and Place Machine

全自动贴片机 (8头)



技术参数 TECHNICAL PARAMETER

型号 Model	WS-8N	调宽结构 Width Adjustment Structure	双滚珠丝杆+直线滑轨 Dual Ground Ball Screws + Linear Slide Rail
贴装头数量 Mounting Numbers	8只 (八头同取) 8 Heads (Eight-Head Simultaneous Pickup)	调宽方式 Width Adjustment Method	自动调宽 Automatic Width Adjustment
定位精度 Positioning Accuracy	0.02MM	顶板结构 Top Plate Structure	气缸托板+活动顶针 Cylinder Tray + Movable Needle
贴装精度 Mounting Precission	±0.05MM	支持类型 Supported Types	雅马哈气动CL款,电动YV款,管状供料器,NXT飞达等 Yamaha Pneumatic Cl Model, Electric YV Model, Tube Feeder,NXT Feeder etc.
贴装角度 Mounting Angle	0~360°	支持规格 Supported Specifications	8MM,12MM,16MM,24MM,32MM,44MM etc.
理论贴片速度 Theoretical Mounting Speed	30000	料位数量 Number of Component Positions	70位 70 Positions
综合贴片速度 Normal CPH	16000	IC托盘位 IC Tray Positions	1位 1 Positions
吸嘴类型 Suction Nozzle Type	JUKI通用吸嘴 Juki Series Nozzle	X,Y轴移动范围 X, Y-Axis Travel Range	630MM*700MM
元件封装 Component Packaging	盘装/管装/托盘封装/震动盘 Tray Loading/Tube Loading/ Tray Packaging/Vibrating Tray	Z轴贴装行程 Z-Axis Mounting Stroke	27MM
元件高度 SMD Height	≤13MM (支持定制≤12MM) ≤13mm(Customize ≤12mm)	R轴旋转角度 R-Axis Rotation Angle	0~360°
元件尺寸 Component Dimensions	≤40MM (支持定制) ≤40mm(Customize Support)	视觉相机 Vision Camera	工业以太网高清相机 Industrial Ethernet High-Definition Camera
基板最小尺寸 PCB Minimal Size	45×45 MM	视觉数量 Number of Vision Cameras	MARK相机×1, 飞拍相机×1 Mark Camera X1、Flying Probe Camera X1
基板最大尺寸 (不带托盘) Maximum Board Size (Without Tray)	500×400 MM	识别方式 Recognition Method	飞拍+高清定拍 Flying Probe + High-Definition Fixed Camera
基板最大尺寸 (带托盘) Maximum Board Size (With Tray)	500×260 MM	PC系统 PC System	Microsoft WIN10
基板厚度 PCB Thickness	≤3MM (支持定制) ≤3mm(Customize Support)	操作软件 Operating Software	自主研发 Self-Developed
基板翘曲允许值 Permissible Board Warpage	≤2MM	兼容文件格式 Compatible File Formats	.CSV格式文件 .CSV.Format
XY驱动系统 XY drive system	伺服驱动+电机 Servo Drive + Motor	编程方式 Programming Method	支持在线,离线2种方式 Support Online and Offline Ways
X驱动结构 X drive Structure	单驱直联双滑轨+高强度成型铝 Single-drive direct-connected dual linear guide rail + high-strength molded aluminum	外置气源 External Air Source	0.8MPA
Y驱动结构 Y drive Structure	单驱直联三滑轨+高强度成型铝 Single-drive direct-connected triple linear guide rail + high-strength molded aluminum	真空产生方式 Vacuum Generation Method	内置无油真空泵 Built-in Oil-Free Vacuum Pump
XY传动结构 XY Transmission Structure	进口研磨丝杆+进口直线滑轨 Imported Ground Ball Screw + Imported Linear Slide Rail	真空值 Vacuum Value	-80KPA
Z轴运动结构 Z-Axis motion Structure	滚珠花键 Ball Spline	安全防护 Safety Protection	飞达翘起保护,开盖减速或停止 Feeder Lift Protection,Slow Down Or Stop When Cover Is Opened
A轴运动结构 A-Axis motion Structure	同步花键 Synchronous Spline	上下位机接口 Upper and Lower Computer Interface	标准SMEMA接口 Standard SMEMA Connector
传板结构 Conveying Structure	超平铝导轨 Super-Flat Aluminum Guide rail	功率 Power	额定功率2KW,工作功率0.7KW Rated Power 2Kw, Working Power 0.7Kw
传板电机 Conveying Motor	驱控一体步进电机 Drive-Control Integrated Stepper Motor	电源 Power Supply	AC220V±10% 50HZ
传板方式 Conveying Method	三段式六驱动 Three-stage Six-Drive	主机外形尺寸 Mainframe Dimensions	L 1355 × W 1300 × H 1450 MM
传板方向 Conveying Direction	L→R (支持定制) L→R (Customize Support)	重量 Weight	1080KG
可贴元件 Compatible Components	阻容 (0201,0402,0603,0805,1206等) LED灯珠、二极管、MOS管、电解电容、异形器件等 芯片 (SOT、SOP、QFN、BGA等) Resistance and capacitance (0201, 0402, 0603, 0805, 1206, etc.), Led Lamp Beads,Diodes, Mos Tubes,Electrolytic Capacitors, Irregular Components,etc. Chips(SOT,SOP,QFN,BGA,etc.)		

望舒 WS-8S

WS-8S贴片机贴头采用滚珠花键式结构,支持8贴装头同步取料。传动机构配置松下高分辨率伺服驱动及电机,THK直线导轨,THK研磨丝杆,能维持长期高精度稳定贴装。

传板结构采用超平铝导轨,三段式六驱动传板平稳稳定。内置工控电脑,高清以太网飞行相机视觉校正系统。

采用120mm大理石底座运行稳定,70位送料飞达位,支持三星飞达,支持CSV坐标文件导入,最大支持400*500mmPCB贴装。

适用于各类异形元件的精密、高速贴装,适合自动化批量生产。

The WS-8N surface mount machine adopts a ball spline structure for the mounting head, which supports synchronous feeding of 8 mounting heads. The transmission mechanism is equipped with Panasonic high-resolution servo drive and motor, THK linear guide rail, THK grinding screw, which can maintain long-term high-precision and stable mounting.

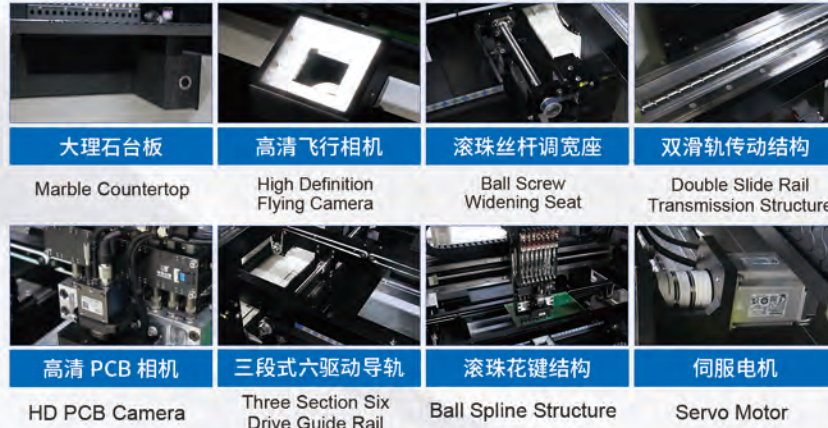
The transfer plate structure adopts ultra flat aluminum guide rails, and the three-stage six drive transfer plate is stable and stable. Built in industrial computer, high-definition Ethernet flight camera visual correction system.

Using a 120mm marble base for stable operation, with 70 feeding and delivery positions, supporting Samsung Fit, CSV coordinate file import, and maximum support for 400*500mm PCB mounting.

Suitable for precision and high-speed mounting of various shaped components, suitable for automated mass production.

Vertical Vision Pick and Place Machine

全自动贴片机 (8头)



技术参数 TECHNICAL PARAMETER

型号 Model	WS-8S	调宽结构 Width Adjustment Structure	双滚珠丝杆+直线滑轨 Dual Ground Ball Screws + Linear Slide Rail
贴装头数量 Mounting Numbers	8只 (八头同取) 8 Heads (Eight-Head Simultaneous Pickup)	调宽方式 Width Adjustment Method	自动调宽 Automatic Width Adjustment
定位精度 Positioning Accuracy	0.02MM	顶板结构 Top Plate Structure	气缸托板+活动顶针 Cylinder Tray + Movable Needle
贴装精度 Mounting Precision	±0.05MM	支持类型 Supported Types	雅马哈气动CL款,电动YV款,管状供料器,三星飞达等 Yamaha Pneumatic CL Model, Electric YV Model, Tube Feeder, Samsung Feeder etc.
贴装角度 Mounting Angle	0~360°	支持规格 Supported Specifications	8MM,12MM,16MM,24MM,32MM,44MM etc.
理论贴片速度 Theoretical Mounting Speed	30000	料位数量 Number of Component Positions	70位 70 Positions
综合贴片速度 Normal CPH	16000	IC托盘位 IC Tray Positions	1位 1 Positions
吸嘴类型 Suction Nozzle Type	JUKI通用吸嘴 Juki Series Nozzle	X,Y轴移动范围 X, Y-Axis Travel Range	630MM*700MM
元件封装 Component Packaging	盘装/管装/托盘封装/震动盘 Tray Loading/Tube Loading/ Tray Packaging/Vibrating Tray	Z轴贴装行程 Z-Axis Mounting Stroke	27MM
元件高度 SMD Height	≤13MM (支持定制≤12MM) ≤13mm(Customize ≤12mm)	R轴旋转角度 R-Axis Rotation Angle	0~360°
元件尺寸 Component Dimensions	≤40MM (支持定制) ≤40mm(Customize Support)	视觉相机 Vision Camera	工业以太网高清相机 Industrial Ethernet High-Definition Camera
基板最小尺寸 PCB Minimal Size	45×45 MM	视觉数量 Number of Vision Cameras	MARK相机×1, 飞拍相机×1 Mark Camera X1, Flying Probe Camera X1
基板最大尺寸 (不带托盘) Maximum Board Size (Without Tray)	500×400 MM	识别方式 Recognition Method	飞拍+高清定拍 Flying Probe + High-Definition Fixed Camera
基板最大尺寸 (带托盘) Maximum Board Size (With Tray)	500×260 MM	PC系统 PC System	Microsoft WIN10
基板厚度 PCB Thickness	≤3MM (支持定制) ≤3mm(Customize Support)	操作软件 Operating Software	自主研发 Self-Developed
基板翘曲允许值 Permissible Board Warpage	≤2MM	兼容文件格式 Compatible File Formats	.CSV格式文件 .CSV.Format
XY驱动系统 XY drive system	伺服驱动+电机 Servo Drive + Motor	编程方式 Programming Method	支持在线,离线2种方式 Support Online and Offline Ways
X驱动结构 X drive Structure	单驱直联双滑轨+高强度成型铝 Single-drive direct-connected dual linear guide rail + high-strength molded aluminum	外置气源 External Air Source	0.8MPA
Y驱动结构 Y drive Structure	单驱直联三滑轨+高强度成型铝 Single-drive direct-connected triple linear guide rail + high-strength molded aluminum	真空产生方式 Vacuum Generation Method	内置无油真空泵 Built-in Oil-Free Vacuum Pump
XY传动结构 XY Transmission Structure	进口研磨丝杆+进口直线滑轨 Imported Ground Ball Screw + Imported Linear Slide Rail	真空值 Vacuum Value	-80KPA
Z轴运动结构 Z-Axis motion Structure	滚珠花键 Ball Spline	安全防护 Safety Protection	飞达翘起保护,开盖减速或停止 Feeder Lift Protection, Slow Down Or Stop When Cover Is Opened
A轴运动结构 A-Axis motion Structure	同步花键 Synchronous Spline	上下位机接口 Upper and Lower Computer Interface	标准SMEMA接口 Standard SMEMA Connector
传板结构 Conveying Structure	超平铝导轨 Super-Flat Aluminum Guide rail	功率 Power	额定功率2KW,工作功率0.7KW Rated Power 2Kw, Working Power 0.7Kw
传板电机 Conveying Motor	驱控一体步进电机 Drive-Control Integrated Stepper Motor	电源 Power Supply	AC220V±10% 50HZ
传板方式 Conveying Method	三段式六驱动 Three-stage Six-Drive	主机外形尺寸 Mainframe Dimensions	L 1355 × W 1300 × H 1450 MM
传板方向 Conveying Direction	L→R (支持定制) L→R (Customize Support)	重量 Weight	1080KG
可贴元件 Compatible Components	阻容 (0201,0402,0603,0805,1206等) LED灯珠、二极管、MOS管、电解电容、异形器件等 芯片 (SOT、SOP、QFN、BGA等) Resistance and capacitance (0201, 0402, 0603, 0805, 1206, etc.), Led Lamp Beads, Diodes, Mos Tubes, Electrolytic Capacitors, Irregular Components, etc. Chips (SOT, SOP, QFN, BGA, etc.)		

Solder Paste Mixer

锡膏搅拌机

ZB500S自动锡膏搅拌机利用公转产生离心力，配合与公转轴成45度夹角的自转所产生力量，使得位于罐内上端锡膏不断向下运动，而位于罐底的锡膏由周围向罐上方运动，形成一个旋风漏斗型的搅拌动作，可以平顺地将锡膏搅拌软化、脱泡及达到适当的黏度，搅拌后锡膏具有良好的湿润性、均匀的扩散性、绝佳的印刷效果，使回焊时达到最佳助焊性能。

ZB500S Automatic Solder Paste Mixer makes solder cream move downward constantly through centrifugal force generated by revolution and cooperation with energy from rotation at 45 degree angle of axis of revolution. Solder cream located in the tank bottom makes upward movement from the surrounding, which forms a tornado-funnel shaped stirring action, and it can stir, soften and defoam the solder cream with appropriate viscosity. Solder cream has good wettability, even diffusivity, excellent printing effect after mixing, which achieves the best welding performance when reflowing soldering.


外观设计 简单大方

 Appearance Design
 Simplicity

开盖保护 使用安全

Safety Device Rise At Ease


分秒可设 时间可调

Time Set Optional Balance Stir


简约面板 操作简单

 Simple Panel
 Convenient to Operate

技术参数 Specification

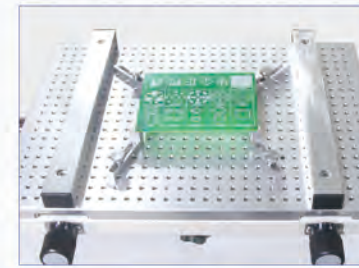
型号 Model	ZB500S	功率 Rated Power	定速 Constant Speed 60W
运转速度 Operating Speed	电机转速 Motor Speed: 1350RPM	电源 Working Power Supply	AC 220V±10% 50Hz
工作能力 Operational Capability	0-500g×2 罐 Tanks	外形尺寸 Outline Size	L400×W400×H500mm
时间设定 Time Setting	0.01s~99H99s, 分秒设备 Minute and Second Set	净重 Weight	45kg
显示方式 Display Mode	LED数字显示 LED Digital Display	可接纳锡膏罐 Acceptance of Solder Cream Pot	罐体直径Φ60-Φ67标配 (适合通用500g 锡膏/瓶) Tank diameter Φ60-Φ67 standard configuration (suitable for general 500 g solder cream bottle)


Silk Screen Printing Table

高精密丝印台

ZB3040H 高精密丝印台主要是针对单双面线路板锡膏或红胶印刷要求设计，工作平台选用优质铝板蜂窝状定位孔加工，底座采用加厚钢板焊接成型，结实稳固，经久耐用。

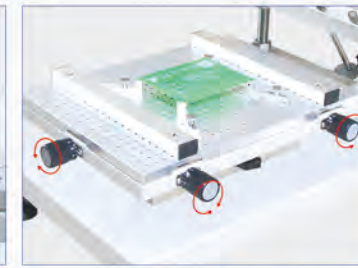
ZB3040H high precision stencil printer is mainly designed for the requirement of the single or double-side PCB soldering paste and red glue printing, the working platform is processed by cellular positional hole with high-quality aluminum and the pedestal is soldered by thick steel plate, steadiness and durability.


灵活定位

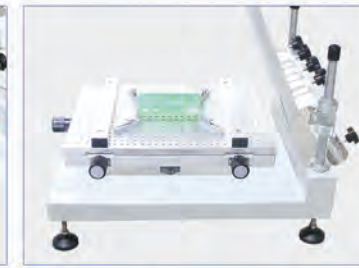
Flexible Positioning


快捷牢固

Fast and Strong


精密微调

Precision Fine-tuning


角度可调

Angle Adjustable

技术参数 Specification

型号 Model	ZB3040H	工作台尺寸 Size of Workbench	300×400mm
最大印刷尺寸 Max. Printing Size	250×400mm	最大网框尺寸 Max. Stencil Size	370×470mm
工作台纵横调节量 Vertical and Horizontal Adjustment Volume	10mm	印载物厚度 Thickness of Printing Matter	0~80mm
重复精度 Repeatability Precision	±0.01mm	定位方式 Location Mode	外形/基准孔定位 Shape or Benchmark Hole
外形尺寸 Outline Size	L540×W370×H380mm	净重 Weight	23kg

Solder Paste Printer
半自动锡膏印刷机

ZB 系列半自动锡膏印刷机主架采用刚性结构，万能蜂窝铸铝台面实现单双面及异形板的精准定位，重复精度高。整机采用嵌入式微电脑控制系统、欧姆龙传感器及全彩触摸屏，系统更加稳定、操作简便直观。该产品适用于电路板上的锡膏及红胶印刷，是SMT自动化产线生产制程中不可或缺的设备。

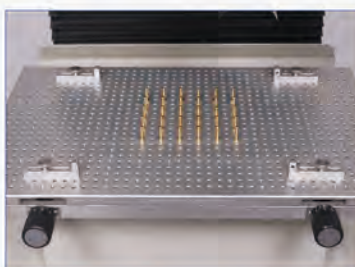
The main frame of ZB series semi-automatic solder paste printing machine adopts rigid structure, and the universal honeycomb cast aluminum table top realizes precise positioning of single-sided and special-shaped plates with high repeatability. The whole machine adopts PLC control system, Omron sensor and full color touch screen. The system is more stable and easy to operate. This product is suitable for solder paste and red glue printing on circuit boards, and is an indispensable equipment in the production process of SMT automated production line.


ZB3250LY

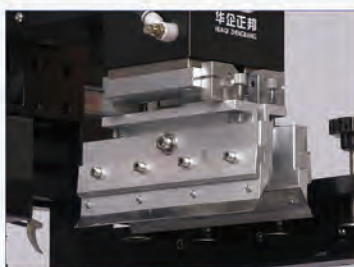
ZB32125LY

双按钮启动 更安全

Double Knobs Starting Design


万能工作台 适用广

Multiple Functions Printing Table


双刮刀 效率高

Two Blade Design


全彩触摸屏 易操作

Full Color Touch Screen

技术参数 Specification

型号 Model	ZB3250LY	ZB32125LY
工作台尺寸 Size of Workbench	320*500mm	320*1250mm
最大印刷尺寸 Max. Printing Size	320*450mm	320*1200mm
适用最大网框 Max. Stencil Size	920*576mm	1570*576mm
外形尺寸 Outline Size	L1020*W750*H1670mm	
净重 Weight	200KG	260KG
重复精度 Repeat Precision	±0.01mm	供电电源 Power Source AC220V±10% 50Hz
空气压力 Compressed Air	8Kgf/cm ²	功率 Power 100W
允许工作高度 Work Altitude	130mm	


Precision Lead-Free Reflow Oven
精密无铅回焊炉

ZBHL系列回流炉采用3D热风循环+超强红外辐射加热，使内部热量均衡流动，适应不同合金和无铅焊料的回流要求。适用于设计研发、实验教学、小批量生产加工。

The ZBHL series reflux furnace adopts 3D hot air circulation and ultra strong infrared radiation heating, which ensures balanced internal heat flow and adapts to the reflux requirements of different alloys and lead-free solder. Suitable for design and development, experimental teaching, and small-scale production and processing.


液晶显示屏 可视化操作

Liquid Crystal Display(LCD)


超强红外加热

Infrared Heating Tube


PC 联机操作

PC On-line Operate


3D热风循环

3D Hot Wind Recycle

技术参数 Specification

型号 Model	ZB2015HL	ZB2520HL	ZB3530HL	ZB5040HL
电源 Power Supply	AC220V ±10% 50Hz (AV110V定制 Custom-Made)			
工作功率 Max Power	700W	1600W	2400W	3600W
加热方式 Heating Method	红外辐射加热 Infrared Radiation Heating	红外辐射加热+热风循环 Infrared Radiation Heating & Hot Air Circulation		
焊接尺寸 Effective Welding Area	200mm×150mm	250mm×200mm	350mm×300mm	500mm×400mm
抽屉尺寸 Drawer Size	L250×W180×H20mm L300×W250×H30mm L400×W330×H30mm L550×W430×H30mm			
操作系统 Operating System	中英文双语操作系统 Chinese and English Bilingual Language Operate System			
显示模式 Display Mode	图形模式/文本模式可选显示模式 Graph Mode/Text Mode and Display Mode Optional			
温度曲线段 Temperature Curve Zones	预热段、加热段、焊接段、保温段和冷却段共五段 Preheating Zone, Heating Zone, Holding Zone and Cooling Zone Totally Five Zones			
外形尺寸 Outline Size	L375×W350×H312mm	L425×W400×H312mm	L525×W500×H312mm	L675×W600×H312mm
净重 Weight	13.5kg	19kg	24.9kg	37.1kg

Micro Board Loader

微型上板机

微型上板机是用于SMT产线起始段PCB送板用途，具有占地面积小，使用方便等优点。

线路板直接放置即可，无需周转架实现存放、送板，操作面板采用真彩触摸屏，操作直观。

Micro PCB loading machine is used for PCB feeding at the beginning of SMT production line, with a small footprint, Easy to use and other advantages.

The circuit board can be placed directly without the need for a turnover rack for storage and delivery. The operation panel adopts True color touch screen, intuitive operation.



三丝杆调宽

Triple screw width adjustment

自装式料架

Self assembling material rack

彩屏触摸方便快捷

Color Screen Touch Operation Model

SMEMA标准信号线

SMEMA Standard Signal

技术参数 Specification

适用PCB板尺寸(MM) Applicable PCB board size (MM)	450* (50-250)
适用PCB厚度 Applicable PCB thickness	0.6-3.0mm
机身尺寸L*W*H (MM) Body size L * W * H (MM)	500*600*1500
整机重量 Whole body weight	90KG
电源 Source	AC:~220V±10% 50HZ
启动功率/空载功率 Starting power/no-load power	0.2kw
操作控制 Operation control	七寸全彩触摸屏 Seven inch full-color touch screen
固定边 Fixed edge	前固定 (可定制为后固定) Front fixation (can be customized as rear fixation)
传送方向 Transmission direction	常规左至右 (或可定制为右至左) Regular left to right (or can be customized as right to left)
传送高度 Transfer height	900±20mm

PCB Loader and Unloader

SMT全自动上下板机

ZB系列上下板机是用于SMT产线起始端PCB进板传送及产线末端PCB接收储存至周转料架。本机采用微控系统配合滚珠丝杆，整机运行稳定，精准传输。操作控制面板采用真彩触摸屏，操作直观，使用方便。适用于单面或双面线路板重复输送，大大降低人工成本的同时提高效率。



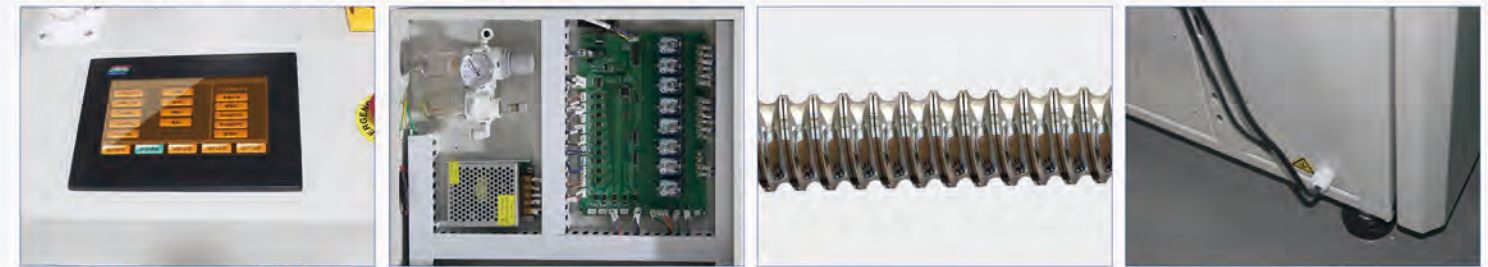
全自动上板机

Automatic Unloader

全自动下板机

Automatic Loader

The ZB series loader and unloader is used for PCB transfer at the beginning of SMT production line and PCB receiving and storage at the end of production line to the PCB rack. This machine adopts PLC programmable control system with ball screw, and the whole machine runs stably and accurately. The operation control panel adopts a true color touch screen, which is intuitive and easy to use. It is suitable for repeated transportation of single-sided or double-sided circuit boards, which greatly reduces labor costs and improves efficiency.



彩屏触摸方便快捷

Color Screen Touch Operation Model

控制系统性能稳定

PLC Control System

滚珠丝杆高精度更耐磨

Adopted Ball Screw

SMEMA标准信号线

SMEMA Standard Signal

技术参数 Specification

名称 Name	全自动上板机 Automatic Unloader	全自动下板机 Automatic Loader
型号 Model	ZB2535SBJ	ZB2535XBJ
外形尺寸 Outline size	L1340×W790×H1200mm	L1650×W790×H1200mm
净重 Weight	150KG	161KG
PCB大小 PCB Size	Max.350×250mm	传送高度 Delivering Height
PCB运输方向 PCB Delivering Direction	左→右(右→左选配) L→R(R→L Optional)	900±20mm
支持料框数量 NOs of Rack	3个	传输速度 Delivering Speed
适用料框规格 Rack Size	L355×W320×H565mm	0.16m/s
料架升降步距 Step Distance of Loading	10,20,30,40	电源 Supply Power
		AC220V±10% 50Hz
		气压 Air Pressure
		0.6Mpa
		功率 Power
		200W


五温区热风回流焊

 Five temperature zone
 Hot Air Reflow Soldering

六温区热风回流焊

 Six temperature zone
 Hot Air Reflow Soldering

八温区热风回流焊

 Eight temperature zone
 Hot Air Reflow Soldering

十二温区热风回流焊

 Twelve temperature zone
 Hot Air Reflow Soldering

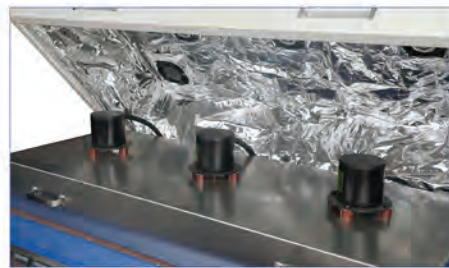
Mesh Belt Hot Air Reflow Soldering

网带式热风回流焊

ZBRF系列回流焊采用不锈钢翅片式加热管，耐高温、耐腐蚀，结合热风循环系统使热量充分利用。自主研发中英文操作系统，具备数据储存、延时关机、曲线采集等功能，配置7寸高清触摸屏，操作方便简单，适用于SMT批量生产焊接。

ZBHW330 reflow soldering adopts infrared radiation heating, which is suitable for the production of small batches of single circuit boards. ZBRF530, ZBRF630 and ZBRF830 reflow soldering all use stainless steel heaters which are resistant to high temperature and corrosion, combined with the hot air circulation system to make full use of heat, rapid heating and high thermal efficiency. Accurate and stable temperature control, suitable for SMT small and medium batch production welding.


全彩色HMI人机界面

 Full-Color HMI Human-Computer
 Interface(Touch Screen)

不锈钢炉胆

 Liner Hearth Use Industrial Grade Anti
 High Temperature and Corrosion Panel Paint

高效节能翅片式发热管

 High-Efficiency
 Energy-Saving Heating Tube

技术参数 Specification

型号 Model	ZBRF530	ZBRF630	ZBRF830	ZB1230RF/ZB1230RF-PC
加热区数量 Heat Zone Numbers	5温区(上3温区+下2温区) 5 Zones (Up 3+Down 2)	6温区(上3温区+下3温区) 6 Zones (Up 3+Down 3)	8温区(上4温区下4温区) 8 Zones (Up 4+Down 4)	12温区(上6温区+下6温区) 12 Zones (Up 6+Down 6)
加热区长度 Length of Heating Zones	960mm	1060mm	1400mm	2080mm
网带高度 Height of Net Belt	300±20mm		880±20mm	
电源 Input Supply Power	AC220V/AC380V ±10% 50Hz		AC380V ±10% 50Hz	
启动功率 Starting Power	7KW	9KW	11KW	14W
工作功率 Working Power	2.5KW	3KW	3.5KW	5KW
温度控制方式 Method of Temperature Control	PID闭环控制 PID Close Cycle Control		触摸屏控制 (PID闭环运算方式) Touch Screen Control (PID Close-Cycle Calculate Method)	
外型尺寸 Outline Size	L1700×W710×H660mm L2100×W680×H1200mm L2440×W680×H1200mm L3500×W710×H1250mm			
净重 Weight	150kg	215kg	250kg	450kg
加热方式 Heat Method	全热风循环加热 Hot wind			
网带宽度 Width of Net Belt	300mm			
允许PCB板高度 Allow PCB Height	<20mm (支持定制) (Customize)			
网带运输方向 Transport Direction of	左→右 (右→左) L→R(R→L)			
过机时间 Transit time	3.5~5.5 分钟 Mins			
冷却区数量 Cooling Zone Numbers	2个自然风冷却 Two Natural Air Cooling			
PCB尺寸 Allow PCB width	Max. 280mm			
网带运输速度 Transport Speed	160~1350mm/min			
升温时间 Heating up Time	15~20分钟 Mins			
温度控制范围 Temperature Control	室温~400度 Indoor Temperature~400 Degrees			

技术参数 TECHNICAL PARAMETER

型号 Model	ZBRF835	ZBRF1235
加热区数量 Heat Zone Numbers	8温区(上4温区+下4温区) 8 Zones (Up 4+Down 4)	12温区(上6温区+下6温区) 12 Zones (Up 6+Down 6)
加热方式 Heat Method	Hot Wind	
加热区长度 Length of Heating Zones	1400MM	2060MM
启动功率 Starting Power	15KW	22KW
电源 Working Power	3KW	4.5KW
外形尺寸 Outline Size	L2720×W820×H1360MM	L3380×W820×H1360MM
净重 Weight	450KG	560KG
热风方式 Hot Wind	变频送风 Variable frequency air supply	运输速度 Transportation Speed
冷却区数量 Cooling Zone Numbers	3个自然风冷却 Three Natural Air Cooling	运输方式 Transportation Method
网带宽度 Mesh Width	450MM	运输方向 Transport Direction
导轨宽度 Conveyor Width	350MM	链条滴油 Chain Dripping
允许PCB宽度 Allow PCB width	MAX. 350MM	额定电源 Input Supply Power
允许PCB长度 Allow PCB length	无限制 No Limited	升温时间 Heating up Time
允许PCB高度(网带) Allow PCB Height (Mesh)	50MM	过机时间 Transit Time
允许PCB高度(导轨) Allow PCB Height (Conveyor)	25MM	温度控制范围 Temperature control range
网带离地高度 The Height of the mesh from the ground	880±20MM	温度控制方式 Method of Temperature Control
导轨离地高度 The Height of the conveyor from the ground	900±20MM	


热风八温区轨道式回流焊

Hot air Eight Temperature Zone Rail Type Reflow Soldering


热风十二温区轨道式回流焊

Hot air Twelve Temperature Zone Rail Type Reflow Soldering

Rail Type Hot Air Reflow Oven

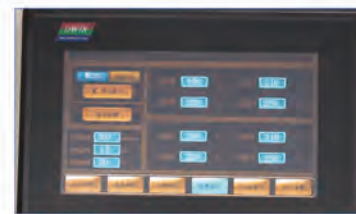
轨道式热风回流焊

ZBRF系列带导轨回流焊支持网带、轨道两种传输方式，对于双面贴片的线路板使用较为便捷，可对接贴片机及上下板机实现自动化焊接。该系列产品具有效率高、可接驳、投入少等特点。

采用高效节能翅片式发热管，结合热风循环系统使热量充分利用均匀分布，提升焊接效果。分体式排烟炉膛更有效排除焊接过程中产生的烟雾。

ZBRF series Online reflow oven supports two transmission modes: mesh and conveyor, and can be connected to the pick and place machine and the PCB loader and unloader machines to realize automatic welding. This series of products have the characteristics of high efficiency, connectivity, and low investment.

The heaters use of high-efficiency and energy-saving finned heating tubes, combined with the hot air circulation system, makes full use of the heat evenly distributed, and improves the welding effect. The split fume exhaust furnace is more effective to eliminate the fumes generated during the welding process.


触摸屏控制

Touch Screen


轨道式走板兼容网带式

Deliver Both By Rail Way And Chain


可对接接驳台

Available Connect To The Conveyor


自动滴油油杯

Atuo-drip Oil Cup


不锈钢炉膛

Stainless Steel Furnace


分体式排烟

Split Type Smoke Exhaust


高效节能翅片式发热管

High efficiency and energy saving heater


手摇调节

Width Manual Adjustment

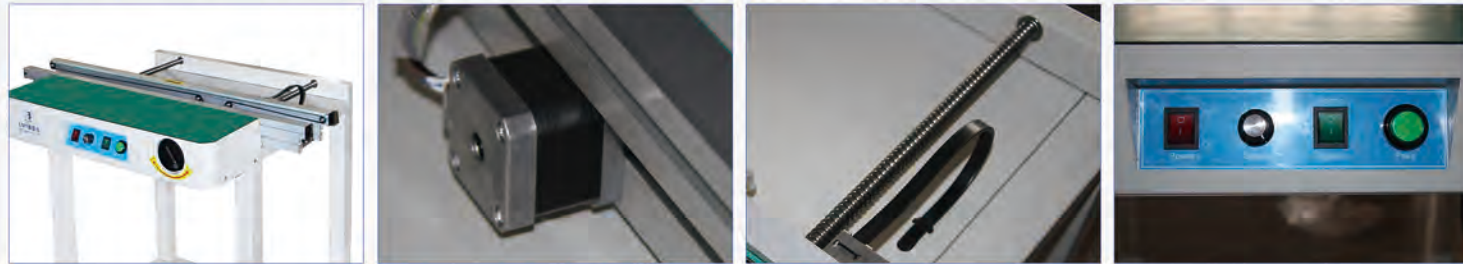
SMT Automatic Conveyor
SMT自动接驳台

ZB系列接驳台采用坚固的铝型材结构设计及机身加厚提高整机稳定性,长久使用不变形。精密丝杠调节座让平行宽度调节更加顺滑。模块化设计及人性化操作界面,使用简单易操作。SMEMA标准信号线,可直接与其它设备连线使用。适用于SMT自动生产线上设备之间的连接,亦可增加特殊工艺位置的可行性。

The ZB series docking station adopts a sturdy aluminum structural design and thickened body to improve the stability of the entire machine, ensuring long-term use without deformation. The precision screw adjustment seat makes parallel width adjustment smoother. Modular design and user-friendly operation interface, easy to use and operate. SMEMA standard signal line can be directly connected to other devices for use. Suitable for connecting equipment on SMT automatic production lines, and can also increase the feasibility of special process positions.



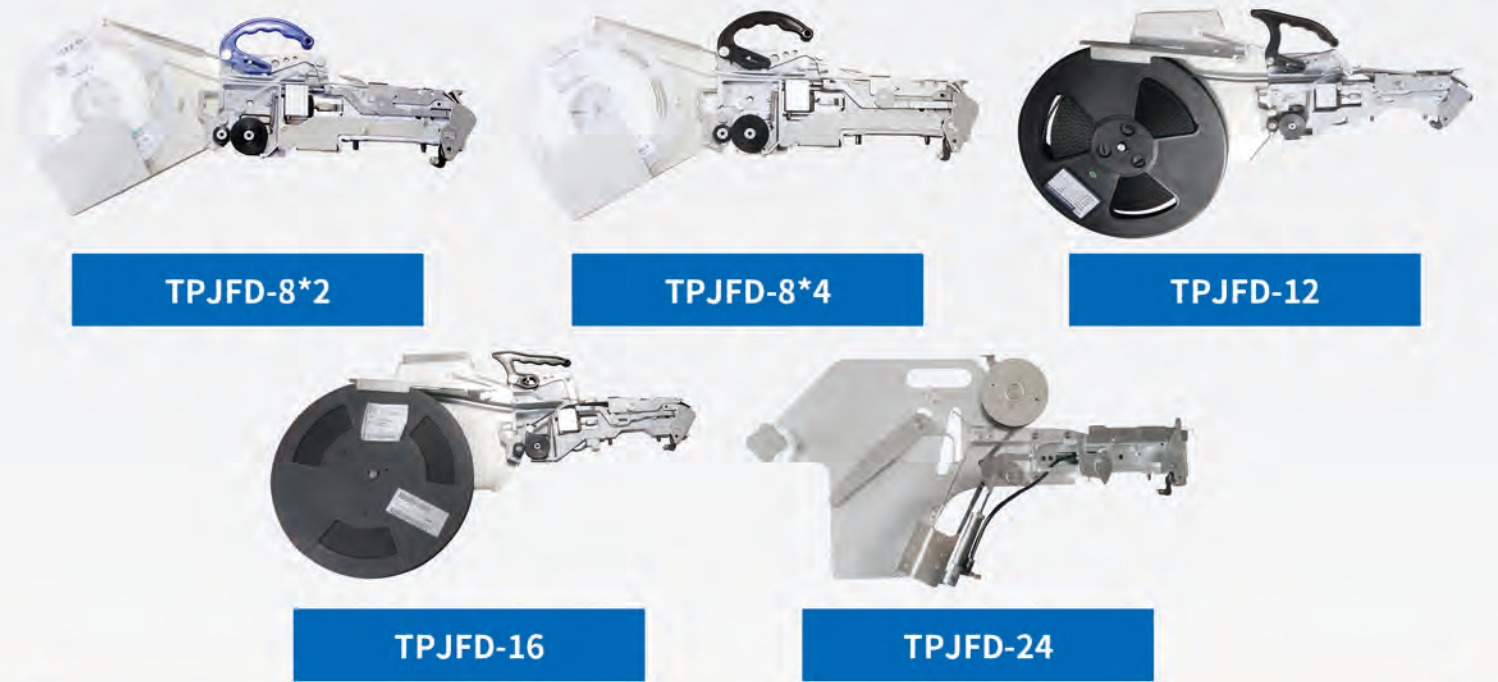
SMT接驳台 (No lamp holder) **SMT接驳台(带灯架)** (With lamp holder) **双轨SMT接驳台** (Double Track)



加厚专用铝型材 Thickened aluminum profiles **双步进电机驱动** Double Stepper Motor Drive **滚珠丝杆** Ball Screw **操作简便** Easy to Operate

技术参数 Specification

型号 Model	调宽范围 PCB size	功率 Power	导轨长度 Rail Way Length	外形尺寸 Outline Size
ZBJBT350-0.5M	50~350mm (支持定制) (customization)	75W	500mm	L500×W670×H880mm
ZBJBT350-0.6M			600mm	L600×W670×H880mm
ZBJBT350-0.8M			800mm	L800×W670×H880mm
ZBJBT350-1.0M			1000mm	L1000×W670×H880mm
ZBJBT350-1.2M			1200mm	L1200×W670×H880mm
ZBJBT350-1.5M			1500mm	L1500×W670×H880mm
ZBJBT300GS-0.6M	双轨1,2轨,3,4轨分别 调节宽度50-310mm, 单轨50-600mm	140W	600mm	L600×W1145×H900mm
ZBJBT300GS-1.2M	Double track, 1, 2 tracks, 3, 4 tracks with adjustable widths of 50-310mm, single track 50-600mm	140W	1200mm	L1200×W1145×H900mm



气动飞达 技术参数 Pneumatic Feida Specification

型号 Model	TPJFD-8*2	TPJFD-8*4	TPJFD-12	TPJFD-16	TPJFD-24
规格 Standard	8×2mm	8×4mm	12×4/8/12mm	16×4/8/12/16mm	24×4~36mm
送料 SMD Type	8mm编带物料 8mm Belt Package		12mm编带物料 12mm Belt Package	16mm编带物料 16mm Belt Package	24mm编带物料 24mm Belt Package
材质 Material	铝合金 Aluminium Alloy				
外形尺寸 Outline Size	L500×W230mm	L570×W240mm	L560×W250mm	L580×W300mm	L580×W300mm
净重 Weight	0.9kg	1.45kg	1.55kg	2.2kg	2.2kg



电动飞达 技术参数 Electric Feida Specification

型号 Model	Y8DF-Q/D	Y12/16DF-Q/D	Y24DF-Q/D
材质 Material	铝合金 Aluminium Alloy		
外形尺寸 Outline Size	L586×W237mm	L670×W293mm	L670×W293mm
净重 Weight	1kg	1.5kg	1.8kg

NGOK Unloading Machine

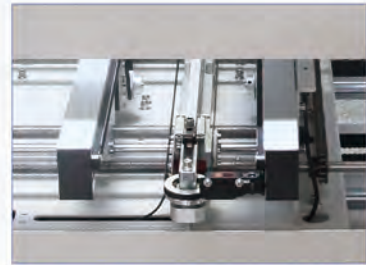
NGOK下板机

主要适用于 SMT 生产线 AOI 或其它检测设备的后面，根据检测设备给出的 NG/OK 信号自动分框储存。OK的PCB板直接推入OK料架，NG的PCB板经平移后推入NG料架。

NGOK全自动收板机广泛应用于各类电子制造企业，特别是在消费电子、通信设备、汽车电子等领域，能够显著提升生产线的自动化水平和生产效率。

Mainly suitable for automatic frame storage behind AOI or other testing equipment in SMT production lines based on the NG/OK signal given by the testing equipment. The OK PCB board is directly pushed into the OK material rack, and the NG PCB board is pushed into the NG material rack after being translated.

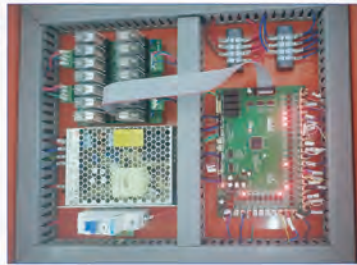
This machine is widely used in various electronic manufacturing companies, especially in the fields of consumer electronics, communication equipment, automotive electronics, etc., and can significantly improve the automation level and production efficiency of the production line.


电动式PCB推板传输方式

Electric PCB push board transmission method


加厚铝型材表面氧化处理

Specialized Aluminum Profile


自主研发ARM控制主板

Independently developed ARM control motherboard


人机交互 7寸彩色触摸屏

Color touch screen

技术参数 Specification

型号 Model	ZB2535NOX	功率 Power	500W
PCB允许宽度 PCB Allowable width	50~300mm	电源 Power Supply	AC 220V±10%
PCB厚度 PCB Thickness	0.3~3.5mm	外形尺寸 Dimensions	L1760×W1535×H1210mm
PCB重量 PCB Weight	50g~500g	净重 Weight	320kg

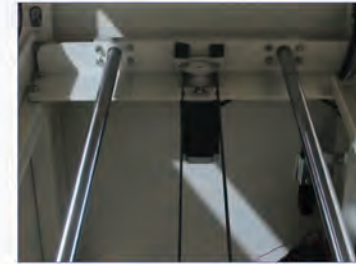


PCB Transfer Machine

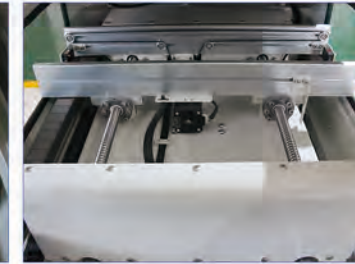
单车移栽机

PCB单车移栽机是一种用于SMT生产线中的辅助设备，主要功能是实现单轨设备与双轨设备的错位平移接驳，以及完成二合一、一分为二的功用，将PCB线路板输送至下一特定设备。

PCB transfer machine is an auxiliary equipment used in SMT production lines. Its main function is to realize the translation connection between single-track SMT line and double-track SMT line, as well as to complete the two-in-one and one-in-two functions, and transport the PCB circuit board to the next specific equipment.


电动调节过框宽窄

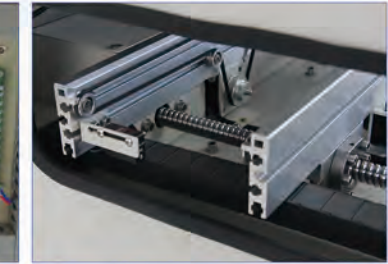
Electric Adjustment Distance


左右过框独立升降功能

Adjust the width of the guide rail through the touch screen


自主研发ARM控制主板

Self-developed and produced ARM motherboards


关键零部件采用开模铝型材

Special mold aluminum material

技术参数 Specification

型号 Model	ZB250DYZ	功率 Power	150W
允许过板宽度 PCB Allowable width	50~300mm	电源 Power Supply	AC:110V~220V 50Hz
传送方式 Transmission method	步进电机传送 Stepper motor transmission	外形尺寸 Dimensions	L1350×W500×H1050mm
移栽距离 Running distance	500~720mm	PCB调宽 PCB width adjustment	电动式调宽 Electric width adjustment

PCB NG OK Buffer Conveyor

单轨筛选缓存机

单轨筛选缓存机是用于SMT（表面贴装技术）生产线中的关键设备，它主要用于检测电路板的好板与坏板，并将好的电路板（OK板）放行到下一个工序，而不良的电路板（NG板）则会流到指定的收集区域。

单轨筛选缓存机主要应用于SMT生产线中，特别是在回流焊与在线AOI（自动光学检测）设备之间。它能够在生产线上起到缓冲作用，尤其是在产线生产节奏过快时，后端的设备检测不过来的情况下，可以起到缓冲作用。

PCB NG OK Buffer Conveyor is a key machine used in the SMT production line. It is mainly used to detect qualified and unqualified PCB, and release the qualified PCB (OK) to the next process, while the unqualified PCB (NG) will flow to the designated collection area.

This machine mainly works between reflow oven and online AOI (automatic optical inspection) equipment. It can play a buffering role on the production line, especially when the production line is too fast and the back-end equipment cannot detect it.


关键零部件采用优质铝合金

Super Aluminum Alloy

采用铝合金开模专用导轨

Special mold for Aluminum guide rail

机架采用加厚钣金方管组合

More thick metal sheet with beautiful appearance

兼容3种运动功能模式

Three modes for option

技术参数 Specification

型号 Model	ZB350DSH	功率 Power	500W
PCB允许宽度 PCB Width Range	L50~450mm	电源 Power Supply	AC 220V±10%
PCB厚度 PCB Thickness	0.3~3.5mm	外形尺寸 Dimension	L800×W810×H950mm
可缓存PCB数量 PCB Buffer Qty	10层（或定制层数） 10PCS (Accept Customization For More Layers)	净重 Weight	320kg

Vacuum PCB Loader

真空吸板机

PCB真空吸板机是一种专为电子制造业设计的自动化设备，主要用于印刷电路板（PCB）的搬运和定位。适用于SMT生产线的前端、全段等位置，把堆叠的裸板通过真空吸附的方式自动送入皮带上传送至后端设备，具有自动上板功能。

Vacuum PCB Loader is an automated equipment designed for the electronics manufacturing industry, mainly used for the handling and positioning of printed circuit boards (PCB). It is suitable for the front end and full section of the SMT production line, and can automatically load the stacked bare boards onto the belt and transfer them to the back-end equipment through vacuum suction, with automatic board loading function.


传送部件采用滚珠丝杆

Ball Screw

电动机PCB传输方式

Electric PCB Transmission

专用铝型材和加厚钣金机壳

Specialized Aluminum Profile

自主研发ARM控制主板

Independently Developed Mainboard

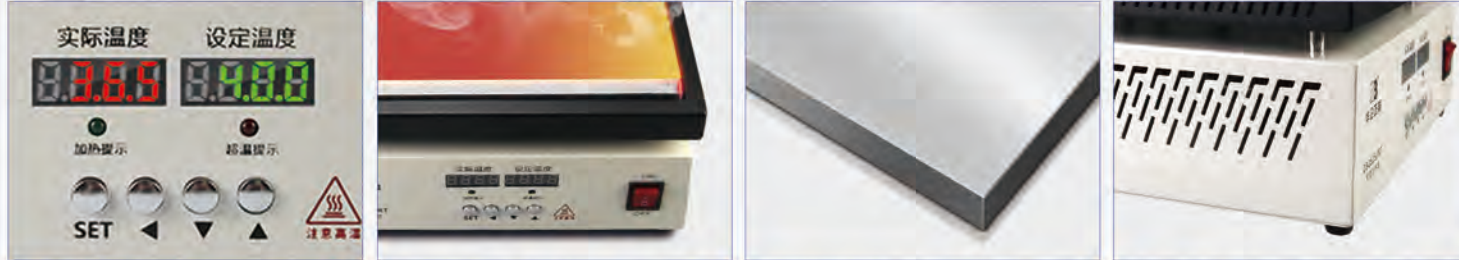
技术参数 Specification

型号 Model	ZB3035ZK	功率 Power	300W
最大吸板尺寸 Maximum Board Size	W300*L350mm	电源 Power Supply	AC 220V±10%50HZ
气源 Air Source	0.4~0.6 MPA	外形尺寸 Dimensions	L1150×W600×H1250mm
最大吸板重量 Maximum Board Weight	2KG	升降台放板高度 Board Placement Height of the Lifting Platform	350 mm
最大传送速度 Maximum Conveyor Speed	15sec/pcs[W=135mm]		



Constant Temperature Heating Plate

恒温加热台



- 大屏温度数显 温控更准确
Temperature digital display
- 包边防烫设计, 更安全
Edge wrapping and anti scalding
- 航空铝材发热板, 发热均匀
Aviation aluminum heating plate
- 双排立体式散热孔
Double row heat dissipation holes

ZBJRT系列加热台为温度稳定的受控加热设备, 适用于任需要稳定控温加热的场合, 操作简便、快捷、工作效率高, 是您生产加工的好帮手。

本机器采用高效加热管多管技术结合优质铝板作为发热体, 发热管方便更换、热传递均匀、传导效率极高。温度由PID智能控制, 控温准确、直观、造型美观。

The ZBJRT series heating table is a controlled heating equipment with stable temperature, suitable for any situation that requires stable temperature control heating. It is easy to operate, fast, and efficient, making it a good helper for your production and processing.

This machine adopts efficient heating tube multi tube technology combined with high-quality aluminum plate as the heating element. The heating tube is easy to replace, the heat transfer is uniform, and the conduction efficiency is extremely high. The temperature is intelligently controlled by PID, which is accurate, intuitive, and aesthetically pleasing.

技术参数 Specification					
型号 Model	功率 Power	电源 Source	温度范围 Temperature range	工作台尺寸 Workbench size	外形尺寸 Overall Size
ZB1010JRT	300W	AC220V±10% 50Hz	常温~450°C Normal Temperature ~ 450 °C	100×100mm	L120×W120×H140mm
ZB1515JRT	400W			150×150mm	L170×W170×H140mm
ZB1810JRT	350W			180×100mm	L200×W120×H140mm
ZB2020JRT	900W			200×200mm	L230×W230×H143mm
ZB2525JRT	1200W			250×250mm	L280×W280×H143mm
ZB2820JRT	900W			280×200mm	L310×W230×H140mm
ZB3530JRT	1800W			350×300mm	L380×W330×H140mm
ZB4030JRT	2400W			400x300mm	L430×W330×H140mm
ZB5020JRT	1800W			500x200mm	L530×W230×H143mm
ZB5040JRT	3300W			500x400mm	L530×W430×H143mm



PCB Splitter

PCB分板机

PCB分板机对分板质量有更进一步的提高, 适用于各类带V槽的PCB、SMT电路板、铝基板、LED电路板、LED灯条的切分, 无毛边, 效果佳, 速度快, 不损伤电路板上的元器件。进口高速钢刀片, 寿命长, 主要应用于LED行业、SMT行业、手机/mp3行业、电动玩具行业、各类电子行业、使用电路板的各行业。

The PCB Separator can further improve the quality of PCB separate. It is suitable for cutting all kinds of PCB, SMT board, aluminum substrate board, LED board and LED light bar with V groove, Import high speed steel blade, long life span, It mainly applies to LED industry, SMT industry, mobile phone /MP3 industry, electric toy sweat, various electronic industry, and other industries using circuit boards.

技术参数 Specification		
型号 Model	ZB906L	ZB908L
产品规格 Product Specification	6刀 6 PCB Blade	8刀 8 PCB Blade
工作温度 Working Temperature	10~35°C	
分板厚度 Thickness	0.5~3mm	
分板速度 Speed	0~300mm/S	
刀片材质 Blade Material	进口SKD11 Import SKD11	
电源 Work Power	AC220V±10% 50Hz	
功率 Power	40W	
存储温度 Storage Temperature	-20~50°C	
铝基板尺寸 Aluminium Substrate Size	不限 Unlimited	
被切割电路板材质 Material of Cut PCB	铝基板 FR-4 波纤板等 Aluminum Substrate FR-4, Wave Fiber Board etc.	
主机尺寸 Main Engine Size	L300×W280×H200mm	
外形尺寸 Complete Machine Size	L1436×W430×H200mm	
V-CUT槽周边零件 V-CUT Peripheral Parts	限制原件高度<13mm, 焊点距V槽>0.5mm Height Limit<13mm, Distance Welding Spot to V Slot>0.5mm	
净重 Weight	60kg	



六刀片电路板切割

Six Blade PCB Cutting



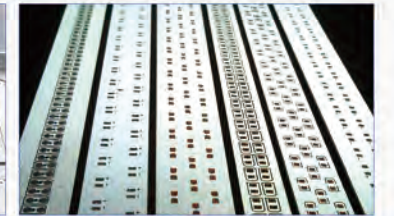
独特的限位装置

Unique Limit Device



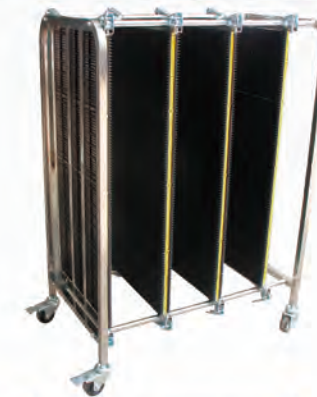
多次切割

Multiplicity Cutting



超长板子专用

Specialized for Super Long PCB



防静电周转车

Anti static turnover vehicle



防静电上下料架

Anti static loading and unloading rack

技术参数 Specification			
型号 Model	装板数量 Number of installed boards	装板规格 Board installation specifications	外形尺寸 Outline Size
ZB-SMS-06D-13	300	460×170mm (平均) (Average)	L875×W505×H1310mm
ZB-SMS-06A-03G	50	350×(50~250) mm	L355×W320×H565mm

THT COMBINATION ASSEMBLY LINE 组合套装

THT焊接小型生产组合套装

THT Welding Small Production Combination Kit 1



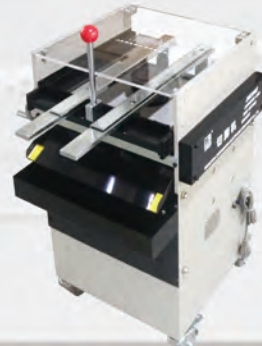
手动插件线

Manual Plug-in Line



半自动浸焊机

Semi-Automatic Dip Soldering Machine



线路板切脚机

Circuit Board Trimming Machine



磨刀机

Grinding Machine

THT焊接自动生产组合套装一

THT welding automatic production combination set 1



自动插件线

Automatic insertion line



输入机

Input machine



全自动浸焊机

Fully automatic dip soldering machine



全自动切脚机

Fully automatic trimming machine



磨刀机

Grinding machine

THT焊接自动生产组合套装二

THT welding automatic production combination set 2



自动插件线

Automatic insertion line



输入机

Input machine



全自动波峰焊

Fully automatic wave soldering



输出机

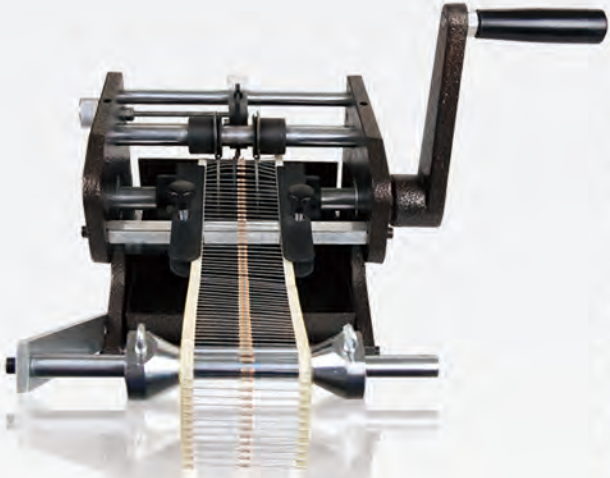
Output machine



全自动切脚机

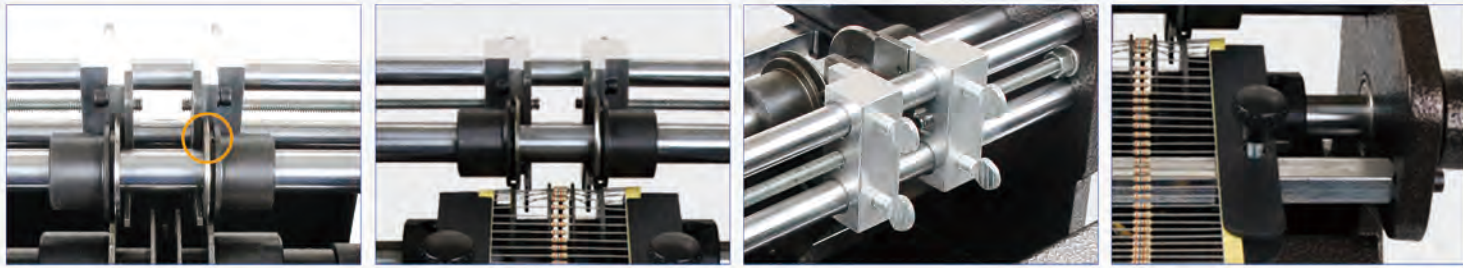
Fully automatic trimming machine

Resistance Forming Machine
电阻成型机



ZB101U/ZB101F手摇带式电阻成型机主要用于轴向式编带电阻、电容、电感、二极管等电子元件脚进行切断弯曲成形加工成卧式（U型）/立式（F型）装配的专用设备。本机器采用高精度零件、优质材料制造，其动作原理是由一对切断齿轮和切断刀相互动作完成元件脚的切断，再由一对成形齿轮和成形刀完成成形加工。

The ZB101U/ZB101F hand cranked resistance forming machine is mainly used as a specialized equipment for cutting and bending the pins of electronic components such as axial braided resistors, capacitors, inductors, diodes, etc. into horizontal (U-shaped)/vertical (F-shaped) assemblies. This machine is made of high-precision parts and high-quality materials. Its action principle is that a pair of cutting gears and cutting cutters act together to cut the component feet, and then a pair of forming gears and forming cutters complete the forming process.



进口刀具专用钢材

Special steel blade

成型跨度可调节

Adjustable Forming Span

成型角度可调节

Adjustable Forming Angle

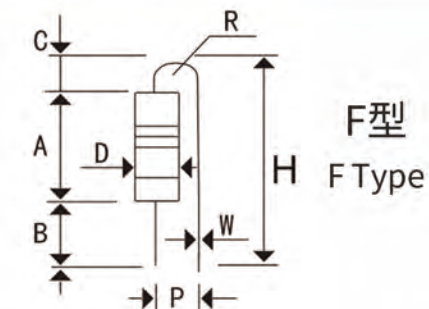
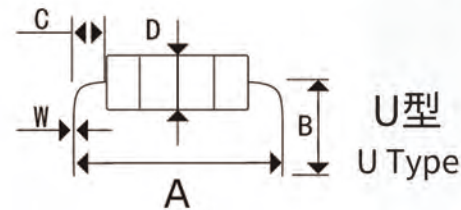
适用性广

Wide Applicability

技术参数 Specification

型号 Model	ZB-101U	ZB-101F
A	6~40mm	4~18mm
B	3.6~15mm	2.5~20mm
C	1.2mm	3.5mm
D	1.5~8mm	1.5~8mm
W	0.35~1mm	
H	无 Not	25mm
P	无 Not	2.5~13.5mm

注:U型和F型使用的刀片、齿轮以及结构不一样。
Notes:U type and F type is not the same one machine.



Spray Furnace
喷雾炉

ZB系列喷雾炉是针对线路板焊接前助焊剂喷涂的理想设备,操作简便能有效提高工作效率。ZB Series flux spraying machine is the ideal machine that before PCB soldering, operate simply and efficiently.

- 助焊剂颗粒细腻,雾化效果理想。
Soldering flux is finer grains, atomization effect is more ideal.
- 助焊剂喷涂均匀节约,有效降低溅锡等现象。
Soldering flux spray uniform, reduce spatter the tin effectively
- 304不锈钢喷槽,具有耐腐蚀不易氧化延长使用寿命。
304 stainless steel spray tank with anti-corrosion and not easy oxidation.
- 有助于提高助焊剂活性,提升焊接质量。
It's help to improve the flux activity.

技术参数 Specification

名称 Name	低压喷雾炉 Low pressure spray furnace	高压喷雾炉 High pressure spray furnace
型号 Model	ZB3022P	ZB3025P
规格 Specification	300×220mm	300×250mm
气源 Air Supply	内置电磁泵 Built-in	外置 Need extra
功率 Power	35W	70W
电源 Power Supply	AC220V±10% 50Hz	
净重 Weight	15kg	20kg
外形尺寸 Outline Size	L380×W300×H710mm	L375×W325×H700mm



B型熔锡炉(不锈钢锡槽) Soldering Pot



D型无铅熔锡炉(钛制锡槽) Lead-Free Soldering Pot

熔锡炉

● B型和D型有什么区别? What's the difference between B and D type?
 B型的锡槽采用的是优质的304不锈钢, D型的锡槽采用的是军工级金属材料钛(纯钛), D型的更耐腐蚀、耐高温、寿命更长。B的只能用于化普通的锡条, D型的锡炉可用于化任何一种锡条, 甚至化铅。相对而言D型的性价比更高。
 B type is using 304 stainless steel material for tin tank, D's tin tank is using the military-grade titanium, D type is more anti-corrosion, high temperature resistant, longer life, B type is just for ordinary tin bar, but D type is apply to any types of tin bar, even for the lead, so the D type is more cost-effective.



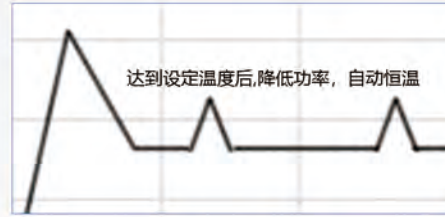
内置高精度温控探头

Built-in High Precision Temperature Probe



采用PID(微电脑)控温系统

Using PID(Micro-computer) Temperature Control System



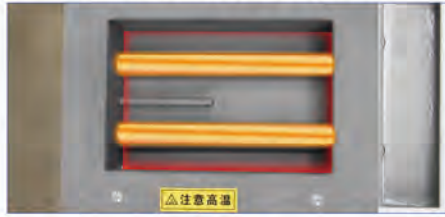
PID自动恒温

PID Automatic Temperature Constant



独立锡渣收集槽

Independent Tin Slag Collector



内热多管技术电热管

With Multi-pieces Heating Tube Inside



附件齐全

Accessories Completely

技术参数 Specification

型号 Model	温控范围 Temperature range	锡槽尺寸 Tin Bath Size	熔锡量 Melting Capacity	功率 Power	电源 Power Supply	外形尺寸 Outline Size
ZB1510B ZB1510D	常温~400°C Normal temperature ~400°C	L150×W100×H70mm	7.5kg	600W	AC 220V±10% 50Hz	L370×W160×H140mm
ZB2015B ZB2015D		L200×W150×H70mm	15kg	1200W		L420×W210×H140mm
ZB2520B ZB2520D		L250×W200×H70mm	25kg	1500W		L470×W260×H140mm
ZB3025B ZB3025D		L300×W250×H70mm	38kg	2000W		L520×W310×H140mm
ZB3530B ZB3530D		L350×W300×H70mm	53kg	2200W		L570×W360×H140mm

Semi-Automatic Dip Soldering Machine 半自动浸焊机

ZB系列半自动浸焊机采用机械手装置具备助焊剂喷涂、线路板预热、焊接、冷却、排烟、锡渣收集等功能; 适合长插短插元器件及不同基板的焊接需求; 焊点饱满、光滑、可靠是性价比极高的焊接设备。

ZB series semi-automatic soldering machine use mechanical arm equipment to spray the scalding powder, PCB pre-heating, soldering, cooling, smoking and tin splash collection functions; It's apply to long and short plug-in elements and different PCB soldering requirement; soldering spot full, smooth, it's the cost-effective soldering equipment.



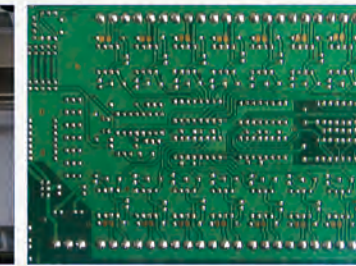
自动感应喷雾

Automatic sensing spray



升温快速

Heat-up Fast



焊点饱满

Soldering Spot Full



PID智能控温

PID Intelligent Temperature Control

- 全新自动感应喷雾系统, 速度更快、效率更高, 无需人工操作。
Newly automatic induction spray system, quicker and higher efficiency, no need manual operation.
- 采用全新丹佛斯精密喷嘴, 喷雾颗粒细腻、均匀、雾化效果理想。
Using newly precision spray nozzle, spraying partical thinner and even, better atomization effect.
- 高效预热烘干, 加速线路板助焊剂的挥发和分子活化, 充分发挥助焊剂性能。
High-efficiency pre-heat drying, speed up the circuit board scalding powder volatilize and activation of molecules, fully exert the scalding powder capability.
- 温度由PID温控仪智能控制, 实时显示设定温度与实际温度, 温控范围: 常温-400°C。主要特点恒温、精准、节电。
Temperature controlled by the temperature control instrument, show the setting temperature and actual temperature at current time. Range of temperature control: Normal temperature -400°C. Main features: constant temperature, precision and electric-saving.
- 卸板、冷却一次完成, 冷却区由超静风机强制冷却。内部配有排风装置, 可有效排除焊接过程中产生的有害气体。
Discharging plate and cooling completed for only one time, forced cooling by super calm wind mechanism, equipped with exhaust device inside, which can delete the harmful gas produced in the process of soldering.
- 配有锡渣收集槽, 即方便也可回收锡渣二次还原节约成本。
Equipped with tin splash collection groove, which is convenient and save the cost through tin splash secondary reduction.
- 充分利用机器内部空间, 具有两个大容量工具柜, 实用方便。全套设备安装、调试、保养简便, 仅需一人操作。
Equipped with tin splash collection groove, which is convenient and save the cost through tin splash secondary reduction.

技术参数 Specification





型号 Model	熔锡量 Melting Capacity	温控范围 Temperature Control Range	温控精度 Temperature Control Precision	锡槽尺寸 Tin Bath Size	功率 Power	电源 Power Supply	外形尺寸 Outline Size	净重 Weight
ZB3020BG-1.1 ZB3020DG-1.1	30kg	常温~400°C Normal temperature ~400°C	±1%	300×200×70mm	2500W	AC220V ±10% 50Hz	1130×750×1160mm	92kg
ZB3525BG-1.1 ZB3525DG-1.1	45kg			350×250×70mm	2500W		1230×800×1160mm	101kg



ZB200BF

全自动波峰焊

Fully Automatic Wave Soldering

- 
分区加热
Zone heating
- 
高效节能
Efficient and energy-saving
- 
结构紧凑
Structure Compact
- 
轨道传送
Orbital Transmission
- 
升温迅速
Rapid Heating up
- 
自动同步
Automatic Synchronization

技术参数

TECHNICAL PARAMETER

整机 Complete Machine	
名称 Name	全自动波峰焊 Fully Automatic Wave Soldering
型号 Model	ZB200BF
外形尺寸 Outline Size	L2250*W1140*H1650MM
重量 Weight	670KG
电源 Power Supply	AC380V/50HZ (50A)
启动功率 Starting Power	9KW
运行功率 Operating Power	3KW左右
控制系统 Control System	触摸屏+单片机 Touch Screen+Microcontroller
PCB 运输高度 Transport Height	760±20MM

预热 Preheating	
预热方式 Preheating method	模块式全热风加热 Modular full hot air heating
温度控制方式 Temperature control	PID+SSR
预热区数量 Number of preheating zones	1
预热区长度 Preheating zone length	450MM
预热区温度可调范围 Temperature range	室温-250°C Room temperature -250 °C
预热区功率 Preheating zone power	3KW

喷雾 Spray	
传动方式 Transmission mode	步进电机+数字驱动器+直线导轨 Stepper motor+digital driver+linear guide rail
喷雾气压 Spray pressure	0.25MPA-0.4MPA
喷嘴类型 Type of nozzle	A100-1.0
流量控制方式 Flow control method	流量计 Flowmeter
助焊剂容量 Flux storage tank	5.5L



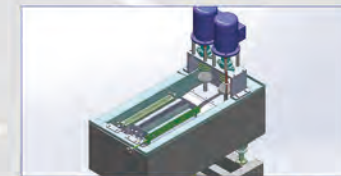
操控系统
Control System
采用触摸屏+单片机操作简单方便,稳定性更高
Using touch screen and microcontroller operation Simple and convenient, with higher stability



预热系统模块化
Modular preheating system
采用抽屉式设计,便于移出保养和维修
Adopting a drawer style structural design, Easy to remove for maintenance and repair



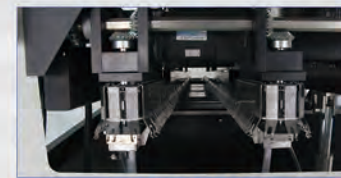
采用高温长轴风机
Using high-temperature long axis fans
全新增压技术,让热风循环效率更高
New turbocharging technology, Improve the efficiency of hot air circulation



采用316L不锈钢锡槽
Using 316L stainless steel tin bath
TA1工业纯钛叶轮
具有超强的耐腐蚀性和耐高温性
TA1 Industrial Pure Titanium Impeller Has strong corrosion resistance and high temperature resistance



叶轮轴上方增设防氧化罩
Anti oxidation cover
能很大程度上减少锡的氧化量
Can greatly reduce the oxidation amount of tin



运输板系统
Transport board system
运输系统平衡均匀
Balanced and uniform transportation system



喷雾系统
Spraying Systems
采用步进电机、直线导轨、A100喷头往复运动
Adopting stepper motor, linear guide rail A100 nozzle reciprocating motion



高精度调节
High precision adjustment
调宽通过斜齿轮与高精度梯形丝杆三点同步调宽,
Width adjustment through helical gears and high-precision trapezoidal gears
Screw three-point synchronous width adjustment.



清洁系统
Cleaning System
通过防腐毛刷双边洗爪,自动循环清洗链爪。
By using anti-corrosion brushes to wash the claws on both sides

锡炉 Tin furnace	
锡炉类型 Tin furnace type	外热式锡炉 External heating tin furnace
锡炉材质 Tin furnace material	316L 不锈钢/钛合金 Δ=4.0MM 316L stainless steel/titanium alloy δ= 4.0mm
锡炉功率 Tin furnace power	2000W*3=6KW
波峰种类 Peak type	一波扰动波 二波平波 One wave disturbance wave, two wave smoothing waves
波峰高度 Peak height	0-12MM
锡炉温度 Solder temperature	室温-320°C Room temperature -320°C
锡炉容量 Tin furnace capacity	180KG
锡炉化锡时间 Tin melting time	70MIN(设定温度245°C) 70 minutes (set temperature of 245°C)
锡炉控制方式 Control mode	PID+SSR
锡炉升降方式 Lifting method	手动 Manual
锡炉进出方式 Entry and exit methods	手动 (选配电动) Manual (optional electric)
锡炉定时开启 Timed opening	有 Have

运输 Transportation	
PCB 板宽度 PCB board width	50MM-200MM
PCB 传送方向 PCB transfer direction	L→R
传送速度范围 Transmission speed range	200-2200MM/MIN
允许PCB元件引脚长度 PCB pin length	<10MM
速度控制方式 Speed control mode	触摸屏控制数字调速 Touch screen control
焊接角度 Welding angle	4-7°
导轨宽度调整方式 Width adjustment method	手动调宽 Manual width adjustment


清洁 Cleaning	
清洗剂 Cleaning agent	酒精 Alcohol
喷头酒精箱容量 Nozzle capacity	2.4L
洗爪 Washing claws	选配 Optional configuration
冷却方式 Cooling method	自然风冷却 Natural wind cooling



ZB300BF

全自动波峰焊

Fully Automatic Wave Soldering

- 
分区加热
Zone heating
- 
高效节能
Efficient and energy-saving
- 
结构紧凑
Structure Compact
- 
轨道传送
Orbital Transmission
- 
升温迅速
Rapid Heating up
- 
自动同步
Automatic Synchronization

技术参数

TECHNICAL PARAMETER

整机 Complete Machine		预热 Preheating	
名称 Name	全自动波峰焊 Fully Automatic Wave Soldering	预热方式 Preheating method	模块式全热风加热 Modular full hot air heating
型号 Model	ZB300BF	温度控制方式 Temperature control	PID+SSR
外形尺寸 Outline Size	L3400*W1240*H1650MM	预热区数量 Number of preheating zones	3
重量 Weight	900KG	预热区长度 Preheating zone length	1350MM
电源 Power Supply	AC380V/50HZ (50A)	预热区温度可调范围 Temperature range	室温-250°C Room temperature -250 °C
启动功率 Starting Power	23KW	预热区功率 Preheating zone power	9KW
运行功率 Operating Power	8KW	喷雾 Spray	
控制系统 Control System	触摸屏 Touch Screen	传动方式 Transmission mode	步进电机+数字驱动器+直线导轨 Stepper motor+digital driver+linear guide rail
PCB 运输高度 Transport Height	760±20MM	喷雾气压 Spray pressure	0.25MPA-0.4MPA
		喷嘴类型 Type of nozzle	A100-1.0
		流量控制方式 Flow control method	流量计 Flowmeter
		助焊剂容量 Flux storage tank	5.5L



操控系统

Control System

采用触摸屏+单片机操作
简单方便, 稳定性更高
Using touch screen and microcontroller
operation Simple and convenient,
with higher stability



预热系统模块化

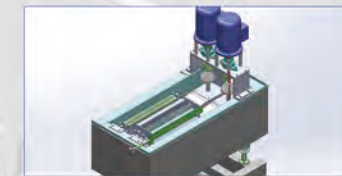
Modular preheating system

采用抽屉式设计,
便于移出保养和维修
Adopting a drawer style structural
design, Easy to remove for
maintenance and repair



采用三越高温长轴风机

全新增压技术, 让热风循环效率更高
New turbocharging technology, Improve
the efficiency of hot air circulation



采用316L不锈钢锡槽

Using 316L stainless steel tin bath

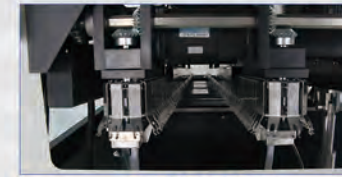
TA1工业纯钛叶轮
具有超强的耐腐蚀性和耐高温性
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Has strong corrosion resistance and
high temperature resistance



叶轮轴上方增设防氧化罩

Anti oxidation cover

能很大程度上减少锡的氧化量
Can greatly reduce
The oxidation amount of tin



运输板系统

Transport board system
运输系统平衡均匀
Balanced and uniform
transportation system



喷雾系统

Spraying Systems

采用步进电机、直线导轨、
A100喷头往复运动
Adopting stepper motor, linear
guide rail A100 nozzle
reciprocating motion



高精度调节

High precision adjustment

调宽通过斜齿轮与高精度梯形
丝杆三点同步调宽,
Width adjustment through helical gears
and high-precision trapezoidal gears
Screw three-point synchronous width adjustment.



清洁系统

Cleaning System

通过防腐毛刷双边洗爪,
自动循环清洗洗爪。
By using anti-corrosion brushes to
wash the claws on both sides

锡炉 Tin furnace

锡炉类型 Tin furnace type	外热式锡炉 External heating tin furnace
锡炉材质 Tin furnace material	316L不锈钢 Δ=4.0MM 316L stainless steel δ= 4.0mm
锡炉功率 Tin furnace power	4500W*3=13.5KW
波峰种类 Peak type	双波 (扰流波+平流波) Double wave (disturbance wave+advection wave)
波峰高度 Peak height	0-12MM
锡炉温度 Solder temperature	室温-320°C Room temperature -320°C
锡炉容量 Tin furnace capacity	280KG
锡炉化锡时间 Tin melting time	70MIN(设定温度245°C) 70 minutes (set temperature of 245°C)
锡炉控制方式 Control mode	PID+SSR
锡炉升降方式 Lifting method	手动 Manual
锡炉进出方式 Entry and exit methods	手动 Manual
锡炉定时开启 Timed opening	有 Have

运输 Transportation

PCB 板宽度 PCB board width	50MM-300MM
PCB 传送方向 PCB transfer direction	L→R
传送速度范围 Transmission speed range	200-2200MM/MIN
允许PCB元件引脚长度 PCB pin length	<10MM
速度控制方式 Speed control mode	触摸屏控制数字调速 Touch screen control
焊接角度 Welding angle	4-7°
导轨宽度调整方式 Width adjustment method	手动调宽 Manual width adjustment
清洁 Cleaning	
清洗剂 Cleaning agent	酒精 Alcohol
喷头酒精箱容量 Nozzle capacity	2.4L
洗爪 Washing claws	2.4L
冷却方式 Cooling method	自然风冷却 Natural wind cooling



ZB350M 全自动浸焊机

Fully Automatic Dip Soldering Machine

- **省锡 / 省功耗 / 可长脚工作**
Tin saving/Power saving/Can work with long legs
- **红外加热预热系统**
Infrared heating and preheating system
- **高精度专用喷头**
High precision specialized nozzle

技术参数

TECHNICAL PARAMETER

整机 Complete Machine	
名称 Name	全自动浸焊机 Fully automatic immersion welding machine
型号 Model	ZB350M
框架尺寸 Frame size	L2600*W1100*H1675MM
外形尺寸 Outline Size	L2600*W1050*H1680MM
重量 Weight	650KG
电源 Power supply	AC380V/220V 50HZ
启动功率 Starting power	11KW
运行功率 Operating power	3KW
控制系统 Control system	触摸屏+PLC Touch screen+PLC
产量 Production	MAX.2200PCS/8H
喷雾 Spray	
喷雾启停方式 Start stop mode	自动跟踪PCB板长度启停 Tracking PCB board length start stop
传动方式 Transmission mode	机械式无杆气缸 Mechanical rodless cylinder
喷雾气压 Spray pressure	0.25MPA-0.4MPA
喷雾形式 Spray form	喷雾 Spray
喷嘴类型 Type of nozzle	A100-1.0 (台湾威拿) (Taiwan Wina)
助焊剂容量 Flux storage tank	5.5L

预热 Preheating	
预热方式 Preheating method	红外加热 Infrared heating
温度控制方式 Temperature control method	PID+SSR
预热区数量 Number of preheating zones	1段 1 Segment
预热区长度 Preheating zone length	600MM
预热区温度可调范围 Temperature range	室温-150°C Room temperature -150 °C
预热区升温时间 Teating time	10MIN(设置温度150°C) 10 minutes (temperature 150 °C)
预热区功率 Preheating zone power	6KW
锡炉 Tin Furnace	
锡炉类型 Tin furnace type	外热式锡炉 External heating tin furnace
锡炉结构 Tin furnace structure	独立模块式 Independent modular
锡炉材质 Tin furnace material	304不锈钢/镇合金6=2.0MM 304 stainless steel/anchor alloy 6=2.0mm
锡炉发热功率 Heating plate power	3000W*2块=6KW 3000W * 2 pieces=6KW
锡炉最高温度 maximum temperature	400°C
锡炉容量 Tin furnace capacity	70KG(锡条63/37) 70KG (Tin Bar 63/37)
锡炉升温时间 Heating time of tin furnace	40MIN(设定温度260°C) 40min (set temperature 260°C)
锡炉控制方式 Tin furnace control method	PID+SSR
锡炉定时开启 Tin furnace timed on	有 Have



控制系统
Control System

PLC+触摸屏智能控制强大功能 实现自动化运行
PLC+touch screen intelligent control Powerful functions enable automated operation



喷雾系统
Spraying Systems

步进电机驱动自动随PCB宽度调节
Stepper motor drive automatically adjusts with PCB width



刮锡系统
Tin Scraping System

人性化设计 频率可调 使用方便
User-friendly design Adjustable frequency for convenient use



预热系统
Preheating System

保证PCB板表面预热均匀充分
控温方式采用PID+SSR闭环控制
Ensure even and sufficient preheating of the PCB board surface The temperature control method adopts PID+SSR closed-loop control



进出板系统
In/out Board System

无需接驳装置直接连接插件
流水线及自动切脚机
Directly connect the plug-in assembly line and automatic foot cutting machine without the need for a connecting device



焊接系统
Welding System

自动锡面检测 省锡 焊接、倾斜角度可调
Automatic tin surface detection, tin saving welding, adjustable tilt angle



洗爪系统
Paw Washing System

自动循环酒精洗爪装置
Automatic circulation alcohol claw washing device



运输板系统
Transport Board System

运输系统平衡均匀
Balanced and uniform transportation system



无铅转换
Lead-Free Conversion

有铅 无铅
Lead free and convenient conversion with low cost

浸锡 Tin immersion	
浸锡方式 Tin immersion method	闭环步进电机驱动上下浸锡 Closed loop stepper motor drives up and down tin immersion
浸锡倾斜高度 Tin dipping tilt height	0-30MM
浸锡快速度 Tin immersion fast speed	1-80MM/S
浸锡慢速度 Tin immersion slow speed	1-20MM/S
浸锡时间 Tin immersion time	1-99S
锡面检测方式 Surface Inspection	探针自动跟踪检测 Automatic tracking detection
加锡方式 Tin addition method	手动加锡 Manual tin addition
锡面过低报警方式 Low tin alarm method	蜂鸣+文字提示 Beep+text prompt
浸锡链爪 Tin impregnated chain claw	双钩爪(合金) Double hook claw (alloy)
刮锡 Scraping tin	
刮锡方式 Tin scraping method	自动 automatic
刮锡驱动方式 Tin scraping drive mode	减速电机 Reduction motor
刮锡速度 Scraping speed	160MM/S
刮刀数量 Scraper quantity	2段并排可拆卸 Two sections side by side detachable
刮锡周期 Scraping cycle	1-50次可调 1-50 adjustable times

运输 Transportation	
PCB板宽度 PCB board width	50MM-250MM
PCB传送方向 PCB transfer direction	L-R
运输段数 Number of segments	3段(进板输送+浸锡输送+出板输送) 3 stages (feeding conveyor+tin dipping conveyor+discharging conveyor)
传送速度范围 Transmission speed range	1-74MM/S
运输高度 Transport height	750+20MM
允许PCB元件高度 Allow PCB component height	< 60MM
允许PCB元件引脚长度 Allow PCB component pin length	< 35MM
允许PCB最小尺寸 Allow minimum PCB size	MIN.50*130MM
允许PCB最大尺寸 Allow maximum PCB size	MAX250*350MM
速度控制方式 Speed control mode	触摸屏改变参数调速 Touch screen control
运输方式 Transportation method	镀镍35B链条 Nickel plated 35B chain
导轨宽度调整方式 Width adjustment method	手摇调宽 Manual width adjustment
清洁 Transportation	
清洗剂 Cleaning agent	酒精 Alcohol
酒精箱容量 Alcohol tank capacity	2.4L


PCB Pin Cutting Machine
切脚机

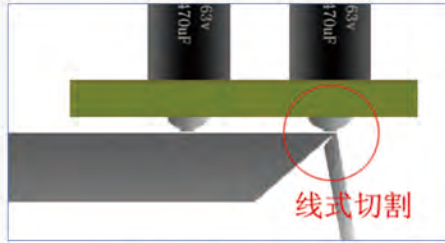
ZB系列切脚机主要用于切除插件元器件焊接后的多余引脚，本机由高精度工艺制造的零部件组装而成，关键部分研磨处理。整机稳重外加进口轴承，具有刀片转速快、切脚一致性好、高效平稳、噪音低、寿命长等特点。

双导轨行程同步调节，切脚高度随意可调，造型美观，操作方便，性价比高。

ZB series cutting machine are apply to cut the extra pin after components and spares soldering, it's by the high precision process components assembled, grinding process at the key part, good cutting consistency, quick blade rotate speed, stable, low noise, high efficiency and convenient to operate. Double lead rails travel adjust same time and the height of wide cutting can be adjusted casually and cost-effective.


进口轴承，高精度

Imported bearings, high-precision


线式切割，省刀片
线式切割，省刀片

Wire cutting, blade saving


整机稳重，抖动小

The whole machine is stable with little shaking


独家技术，更安全

Exclusive technology, safer


精钢导轨，更耐磨

Precision steel guide rail, more wear-resistant


批量生产，更放心

Mass production, more reassuring

技术参数 Specification

型号 Model	ZB200E	ZB250E	基板厚度 Circuit Board Thickness	Approx 0.8~2.5mm
导轨行程 Lead Rail Stroke	0~220mm	0~280mm	切脚高度 Cut Foot Height	Approx 1.5~3mm
刀片规格 Blade Specification	Φ200×70×3.5mm	Φ250×70×3.5mm	刀片转速 Blade Speed	4500r/min
外形尺寸 Outline Size	L615×W415×H780mm	L665×W475×H780mm	功率 Power	550W
净重 Weight	80kg	95kg	电源 Power Supply	AC220V±10% 50Hz


Fully Automatic PCB Pin Cutting Machine
全自动切脚机

ZB250QE系列全自动切脚机。该款机型是目前针对插件式电子产品引脚切断而研发的一款设备，主要用于切除元器件焊接后的多余引脚，本机由精密工艺制造的零部件组装而成。关键部分研磨处理，进口轴承组装，切脚一致性好，刀片转速快、平稳、噪音低、效率高、操作方便等特点。PCB板通过链条自动传送，可对接生产线或自动浸焊机，自动化程度高，切脚高度随意可调。

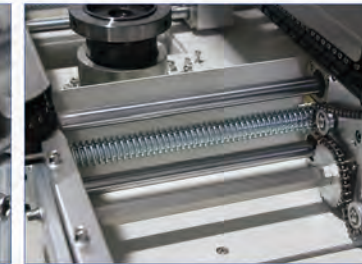
ZB250QE series fully automatic foot cutting machine. This model is currently a device developed for pin cutting in plug-in electronic products, mainly used to cut off excess pins after component welding. This machine is assembled from precision manufactured components. The key parts are ground, assembled with imported bearings, with good consistency in cutting feet, fast and stable blade speed, low noise, high efficiency, and easy operation. PCB boards are automatically transported through chains and can be connected to production lines or automatic immersion welding machines, with a high degree of automation and adjustable cutting height.


精密工艺

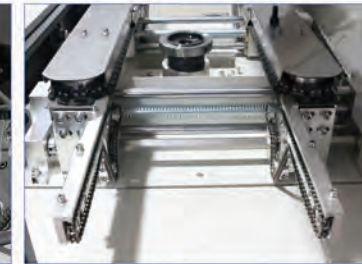
Precision craftsmanship


压盖式指爪

Pressure type claw


联动式调宽机构

Linkage type width adjustment mechanism


链条传送

Chain Conveyor

技术参数 Specification

型号 Model	ZB250QE	PCB运输高度 PCB conveyor height	750±20mm
外形尺寸 Outline Size	L1000*W680*H900mm	PCB宽度 PCB width	50-250mm
重量 Weight	170KG	基板厚度 Substrate thickness	Approx 0.8mm-2.5mm
电源 Power Supply	AC380V/50Hz	刀片转速 Blade Speed	4500转/分 4500 rpm
功率 Power	0.7KW	运输速度 Transportation speed	5-36mm/s
控制系统 Control System	触摸屏 Touch Screen	切脚高度 Cutting foot height	Approx 1-3mm



ZBSRJ350

PCB Input Machine

基板输入机

基板输入机适用于插入式生产线与波峰焊连接机组合输入，具有速度可调、噪音低、操作方便等特点。不锈钢材质链条设计，使本机耐磨美观。

Wave soldering input connected machine apply to THT plug in line and wave soldering connected machine combine together for input, which the features including the speed can be adjustable, low noise and easy to operate. The stainless steel materials chain design make this machine wearable and beautiful appearance.



链条设计

The Chain Design



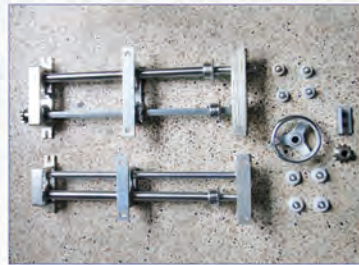
同步调宽

Synchronous Modulation



无极调速

Stepless Speed Regulation



调节机构

Regulation Mechanism

技术参数 Specification

型号 Model	ZBSRJ350
PCB宽度 PCB Width	Max. 350mm
传送速度 Transfer Speed	0~5000mm/min
运输电机 Transport Motor	AC220V 50/60Hz 40W
电源 Power Supply	AC220V 50/60Hz
调节方式 Adjust Method	手摇丝杆调节 Hand Screw Adjusting
外形尺寸 Outline Size	L1000×W655×H750~900(可调)(Adjustable)mm



ZBSCJ400

PCB Output Machine

基板输出机

基板输出机适用于插入式生产线与波峰焊连接机组合输出，具有速度可调、噪音低、操作方便等特点。

Wave soldering output connected machine apply to THT plug in line and wave soldering connected machine combine together for output, which the features including the speed can be adjustable, low noise and easy to operate.



无极调速

Stepless Speed Regulation



轴流风机

Axial Flow Fan



连接件

Connector



输送带

The Conveyor Belt

技术参数 Specification

型号 Model	ZBSCJ400
皮带宽度 Belt Width	400mm
传送速度 Transfer Speed	0~5000mm/min
运输电机 Transport Motor	AC220V 50/60Hz 60W
电源 Power Supply	AC220V 50/60Hz
导轨材质 Track Materials	铝合金 Aluminum Alloy
外形尺寸 Outline Size	L1400×W486×H940~1300(可调)(Adjustable)mm


立式磨刀机

Vertical

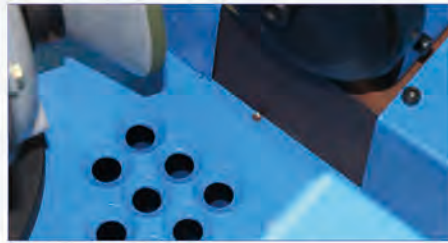

台式磨刀机

Desktop

Knife Grinder 磨刀机

ZB系列磨刀机主要用于对线路板切脚机钨钢合金刀片进行研磨。本机由高精度零件、优质电机、金刚石砂轮等组装而成，研磨一致性好、效率高、操作方便。具有研磨角度可调；金刚石砂轮转速快、平稳、噪音低；进刀轨道平稳、匀速等特点。

ZB series sharpen machine is mainly use the blade of PCB cutting machine to grinding, this machine assembled by high precision components, excellent motor and diamond grinding wheel, convenient, efficient, the grinding angle can adjustable; Diamond grinding wheel speeding faster, stable, low noise, cutting feeder rail stable and so on.


封闭设计,安全卫生

Enclosed Design Safety and Health


磨刀平稳, 耗损小

Sharpen Smoothly, Low Loss


微调控制, 高精度

Micro-Adjust Control, High-Precision


实时保护, 更安全

Multiple Protection, More Secure


角度可调, 适用广

Angle Adjustable, Used Widely


高温高压, 多重保护

High Temperature and High Pressure, Multiple Protection

技术参数 Specification

型号 Model	研磨角度 Sharpen Angle	刀片尺寸 Blade Size	砂轮转速 Grinding Wheel Speed	刀片转速 Blade Speed	功率 Power	电源 Power Supply	外形尺寸 Outline Size	净重 Weight
ZB250FL	18°~25°	MAX. Φ250	2800R.P.M	25R.P.M	750W	AC 220V ±10% 50Hz	L630×W490×H950mm	90kg
ZB250FT							L630×W490×H350mm	70kg

Cutting Machine Blade 切脚机刀片

选用材料是国家标准钨钢牌号(YG8),它是粗加工的刀具之佳选,能给产量高的用户带来方便,安全性高,其质量达到国际标准。真正采用a顶级钨钢材料制作,即使在500°C的温度下也基本保持不变,有效提高刀片品质,不再担心刀片高温退火,延长使用寿命。改变以往传统刀片制造技术,提高硬度、降低脆性,5位刀片制作资深专家4年研究,打造出最耐用的切脚机刀片!

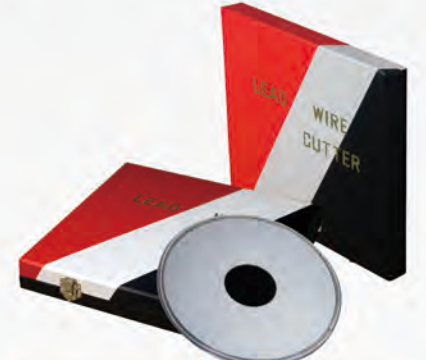
The selected material is the national standard tungsten steel grade (YG8), which is the best choice for rough machining tools. It can bring convenience to users with high production, high safety, and its quality meets international standards. Truly made of top-grade tungsten steel material, it remains basically unchanged even at a temperature of 500 ° C, effectively improving the quality of the blade, eliminating the worry of high-temperature annealing and extending its service life. Changing the traditional blade manufacturing technology, improving hardness and reducing brittleness, 5 senior experts in blade manufacturing have studied for 4 years to create the most durable cutting machine blade!


ZB 品牌钨钢刀片

ZB Brand Tungsten Steel Blade


三菱钨钢刀片

Mitsubishi tungsten steel blade


株洲钻石钨钢刀片

Zhuzhou Diamond Tungsten Steel Blade

技术参数 Specification

型号 Model	200	250
材质 Material	钨钢 Tungsten steel	钨钢 Tungsten steel
规格 Specifications	8寸 inches	10寸 inches
外径 Outer diameter	Φ200mm	Φ250mm
内径 Inner diameter	Φ70mm	Φ70mm
厚度 Thickness	3.5mm	3.5mm

CUSTOMIZED PRODUCTION LINE WORKBENCH



长台式装配线

Long table assembly line



飞机式装配线

Aircraft-style assembly line



双面自动插件线

Double-sided automatic insertion line



双面无动力插件线

Double-sided non-powered insertion line



双面封闭式工作台

Double-sided enclosed workstation



长台式包装线

Long table packaging line



水平循环倍速链装配线

Horizontal loop high-speed chain assembly line



上下循环倍速链装配线

Vertical loop high-speed chain assembly line



无动力工装线

Non powered tooling line



单面封闭式工作台

Single-sided enclosed workstation



单面自动插件线

Single-sided automatic insertion line



皮带转弯机

Belt turning machine