



功能特点

Functional features

S 刮刀系统

craper system

拱桥型悬浮式直连刮刀结构可编程的悬浮式自动调节步进马达驱动的印刷头。双边双滑块的四轮定位式滑轨型结构确保刮刀前后运行的精准度及平稳度。两套独立刮刀头分别由两个高精度步进马达直接驱动。确保压力精准稳定。闭环压力控制系统能精准检测并控制实时生产的刮刀压力。



Arch bridge type suspending direct-connected scraper Print head with the programmable and suspending self-adjusting stepper motor drive. Four wheel positioning slide type with bilateral double sliders ensures the moving accuracy and stability when scraper is running back and forth. Two sets of separate scraper heads are driven respectively by two high precision stepper motors, ensuring the accuracy and stability of the pressure. The closed loop pressure control system can accurately detect and control the squeeze pressure during real-time production.

I 图像及光路系统

Image And Optical System

采取均匀的环形和高亮度的同轴光，先进的上下视觉匹配系统。可调节亮度功能，可识别各类型的Mark点，焊点、镀锡、镀铜、镀金、喷锡、FPC等各种颜色不同的板，确保机器高精度对位

Uniform ring light, high brightness coaxial light and advanced upper/lower vision system. Full range of light compensation. Automatic and accurate recognition of all type MARK points. Applicable for tin plating, copper plating, gold plating, tin spraying, FPC and other types PCB with different colors, able to ensure high accuracy.



C 清洗系统

leaning system

自动有效的钢网清洗系统，干洗、湿洗真空洗三种方式可自由组合，也可以人工清洗钢网。CCD部分和清洗部分分离设计，当CCD工作时，CCD独立移动，降低伺服马达的负载和运动冲量，提高精度及速度和使用寿命。自上而下的喷淋系统，喷淋均匀。软件功能可以控制酒精与钢网纸的用量，有效节省更多耗材；真空清洗匹配专用风机，强力有效。



Stencil cleaning system is automatic and effective. Three options of Dry cleaning, Wet cleaning and Vacuum cleaning can be selected to use, both individually and multiply. And you can also choose to clean manually. The unit to clean is separated from CCD camera, which can minimize the load of motor and impulse, improve the positioning precision and speed and extend the service life. Sprinkler system ensures spraying evenly, from top to bottom. The software function can control the dosage of alcohol and stencil cleaning paper. Effectively save more consumables. Vacuum cleaning is supported with a dedicated fan, powerful and effective.

O 正实专用平台校正系统

right(Zhengshi) Special Platform Calibration System

三轴联动具有超高的动态特性，可快速实现PCB板的厚度调节

Three axes linkage is designed with super-high dynamic characteristics. It can quickly adjust the Pin jacking height of PCB with different thickness.



O 操作系统

Operation Interface

采用Windows Xp简单易学易用的操作界面。具有良好的人机对话功能，做程序文件具有教学及导航功能，每步都有提示方便所有操作人员快速熟悉，菜单中英文一键切换。具有操作日志，故障记录分析诊断等功能。



Using Windows XP operation interface, and easy to learn for user, with good man-machine interactive function. Programming is designed with teaching and navigation function, guidance is available on every step. Chinese/English selectable Operating Journal/Breakdown Record/Breakdown Diagnosis

2 2D 锡膏印刷检查和分析

D Paste Printing Quality Test And Analysis

确保产品印刷的品质，可对印刷偏移，少锡，漏印，连锡等不良问题快速检测。

Ensure the quality of product printing. This feature can quickly detect for printing offset, insufficient paste, missing and bridge and other defects.



A5 技术参数

Specifications

Model 型号	A5	
Item 项目		
网框尺寸 Screen Frames	Min Size	370X370mm
	Max Size	737X737mm
	Thickness	25-40mm
PCB Min Size 最小尺寸	50X50mm	
PCB Max Size 最大尺寸	400X340mm	
PCB Thickness 厚度	0.4-6mm	
PCB Warpage 翘曲量	<1%	
Transport Height 传送高度	900 ± 40mm	
Transport Direction 传送方向	Left-Right; Right-Left; Left-Left; Right-Right 左-右; 右-左; 左-左; 右-右	
Transport Speed 运输速度	Max 1500mm/S Programmable	
Board Location PCB的定位	Support System 支撑方式	Magnetic Pin/Up-down table adjusted/support block by hand 磁性顶针/可调节顶升平台/等高块
	Clamping System 夹紧方式	side clamping, vacuum nozzle, 边夹, 真空吸嘴, 自动伸缩z向压板
Print head 印刷头	Two independent motorised printheads 两个独立的直联式马达驱动印刷头	
Squeegee Speed 刮刀速度	6-200mm/sec	
Squeegee Pressure 刮刀压力	0-15Kg 马达控制	
Squeegee Angle 刮刀角度	60° / 55° / 45°	
Squeegee Type 刮刀类型	Stainless steel(Standard), plastic 钢刮刀标准, 胶刮刀	
Stencil Separation Speed 钢网分离速度	0.1-20mm/sec Programmable	
Cleaning System 清洗方式	Dry, Wet, Vacuum (Programmable) 干、湿、抽真空	
Table Adjustment ranges 工作台调整范围	X: ± 10mm; Y: ± 10mm; θ: ± 2°	
CCD FOV 视野区域	8x6 mm	
Solder Paste Inspection 锡膏检测	2D Inspection (2D检测) □	
整机参数 Machine		
Repeat Position Accuracy 重复定位精度	± 0.01mm	
Printing Accuracy 印刷精度	± 0.025mm	
Cycle Time 印刷周期	<7s (Exclude Printing & Cleaning)	
Product Changeover 换线时间	<5Min	
Air Required 使用空气	4.5-6Kg/cm ²	
Power Input 电源	AC: 220 ± 10%, 50/60HZ 1 φ 3KW	
Control Method 控制方法	PC Control	
Machine Dimensions 机器外形尺寸	1220(L)X1355(W)X1500(H)mm	
Machine Weight 机器重量	Approx: 约1000Kg	