

全自动钢网检查机 SVII-K100

Automatic Stencil Inspection Machine





技术参数

Technical Parameters

产品型号 Product Model		SVII-K100	
检测用途 (Application)	钢网来料检测或清洗后检测 (Steel mesh incoming inspection or inspection after cleaning)		
测量项目 (Inspection items)	开孔面积、位置、偏移、尺寸、异物、毛刺、堵孔、多孔、少孔、张力、宽厚比、面积比、刮刀直线度、厚度、孔间距、模拟下锡量 (aperture area, position, shift, size, foreign body, glitch, hole blocking, multi hole, miss hole, tension meter, width-to-thickness ratio, area ratio, squeegee blade straightness, thickness, pitch of holes, simulating the amount of solder paste)		
相机 (Camera)	标配(Standard): camera 500万 (5M)	选配(Options): camera 1200万 (12M)	
光学分辨率 (Optical resolution)	6.4μm	4.9μm	
每FOV时间 (Inspection time per FOV)	500万: 0.5S/FOV	1200万: 0.7S/FOV	
最大测量开孔尺寸 (Max. size for apertures)	14.59mm×10.44mm	18.15mm×12.74mm	
最小测量开孔尺寸 (Min. size for apertures)	60μm	40μm	
最小测量开孔间距 (Min. distance between apertures)	80μm	60μm	
FOV	16.59mm×12.44mm	20mm×15mm	
尺寸重复精度 (Dimensional repeatability)	1个像素 (Pixels)		
运控精度 (Motion control accuracy)	重复精度(Repeatability): ±2μm 定位精度(Location): ±3μm		
开孔检测 GRR (GRR of aperature area)	Gage R&R<5%		
检测开孔数 (Number of test holes)	≤40万 (≤400 thousands)		
亚像素分辨率 (Device resolution)	1/16		
镜头 (camera lens)	双远心镜头 (Double telecentric lens)		
光源 (lighting)	顶部: 红色同轴光; 底部: 定制白色LED光源 (Top: Red coaxial light; Bottom: custom white LED light source)		
张力计校准方式 (Calibration method of tensiometer)	自动校准 (Automatic calibration)		
网框尺寸 (Stencil size)	(736mm×800mm) Max (200mm×200mm) Min		
检测范围 (Inspection area)	500×550mm		
增加斜测厚选项的有效检测面积 (The effective inspection area if with option of full automatic visual camera oblique thickness measurement)	500×530mm		
Gerber对比检查功能 (comparison check function)	可对钢网GERBER和PCB GERBER、CAD/BOM档进行对比查看		
Gerber File	RS-274X format (Gerber data teaching)		
SPC	Histogram, Xbar-R Chart, Xbar-s Chart, Cp&Cpk, Daily/Weekly/Monthly Report		
远程维护 (Remote maintenance)	TeamViewer software /Anydesk or Sunlogin software		
离线编程 (Offline programming)	离线编程查看 (Offline programming checking)		
计算机系统 (Computer system)	Windows 10 专业版64位 (Windows10 Professional Edition 64 bit)		
计算机 (Computer)	研华工控机 (YanHua industry control machine)		
电源 (Power requirement)	220V,50/60HZ,功率(Power):2kW		
设备尺寸 (Equipment size)	1130mm(L)×1215mm(W)×1500mm(H)不含三色灯 (Does not contain three-color light)		
气源 (Air supply)	0.4Mpa-0.6Mpa		
设备重量 (Equipment weight)	830KG		
选配项 (Options)	钢网信息管理系统 (SIMS) (Stencil information management system)		
	定制开发MES模板 (Customized development of MES template)		
	刮刀直线度检测 (Squeegee parallelism test)		
	Gerber文件设计与比对 (Gerber files design and contrast)		
	PCB焊盘检测 (PCB pad inspection)		
	钢网厚度检测 (thickness inspection)		

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