

半导体钢网检查机 SVII-H6

Stencil Inspection Machine for Semiconductor





技术参数

Technical Parameters

产品型号 Product Model	SVII-H6	
检测用途 (Application)	来料检测或清洗后检测 (For the 1st time inspection of new stencil or inspection after cleaning of cleaned stencil)	
测量项目 (Inspection items)	开孔面积、位置、偏移、大小、异物、毛刺、堵孔、少孔、张力、锡珠残留 (Area, position, offset, size, foreign objects, burr, hole clogging, miss hole, tension, solder ball residual)	
每FOV时间 (Inspection time per FOV)	1200万: 0.6S/FOV; 2500万: 0.7S/FOV	
测量时间 (Inspection time)	3分 (200mm×150mm标准, 10万开孔) (3minutes, standard for 200mm×150mm, 100 thousands stencil apertures)	
开孔面积测量精度 (Measurement accuracy of aperture area)	Gage R&R < 3%	
运控精度 (Move accuracy)	重复(Repeatability): ±1μm 定位(Location): ±2μm	
检测开孔数 (Max. apertures for inspection)	≤100万 (≤1million)	
镜头 (Lens)	双远心镜头 (Dual telecentric)	
照明 (lighting)	特殊白色LED光源 (Special white LED light)	
相机 (Camera)	标配(Standard) : AVT camera, 1200万 (12M) 选配(Options) : AVT camera, 2900万 (29M)	
相机分辨率 (Camera resolution)	3.45μm	2.74μm
最大测量开孔尺寸 (Max. size for apertures)	12.19mm×8.38mm	14.6mm×12.6mm
最小测量开孔尺寸 (Min. size for apertures)	50μm	40μm
最小测量开孔间距 (Min. distance between apertures)	100μm	60μm
FOV	14.19mm×10.38mm	22.3mm×14.8mm
网框尺寸 (Stencil size)	(736mm×736mm) Max (300mm×300mm) Min	
检测范围 (Inspection area)	500×550mm	
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 or anydest	
离线编程 (Offline programming)	离线编程查看 (Offline programming checking)	
计算机 (Computer)	研华工控机或DELL工作站 (Advantech Industrial personal computer Or Dell workstation)	
计算机系统 (Computer system)	Windows 10 专业版64位 (Windows10 Professional Edition 64 bit)	
电源要求 (Power requirement)	220V.50/60HZ, 功耗(Power): 6000W	
设备尺寸 (Equipment size)	1260mm(L)×1310mm(W)×1600mm(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)	1350KG	
选选项 (Options)	网网信息管理系统 (SIMS) (Stencil information management system)	
	定制开发MES模板 (Customized development of MES template)	
	刮刀平行度检测 (Squeegee parallelism test)	
	Gerber文件设计与比对 (Gerber files design and contrast)	
	PCB焊盘检测 (PCB pad inspection)	
	厚度检测 (thickness inspection)	

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