

技术参数 / Parameters

技术平台/Technology Platform	单轨Type-C平台/Single lane Type-c Platform
适用系列/Series	A Series
型号/Model	A510/A630
测量原理/Masurement Principle	正弦白光投影PMP检测 (Sine white projection PMP inspection)
测量项目/Measurements	缺件、偏移、旋转、三维极性、反件、OCV、翘立、侧立、立碑、焊接不良等 (Missing parts, offset, rotation, three-dimensional polarity, upside down, OCV, side standing, tombstone, poor soldering, etc.)
检测不良类型/Detection of Non-Performing Types	焊锡拉尖、焊锡量百分比、多锡、少锡、桥接、堵孔、爬锡、焊盘污染等 (Solder tip, solder volume percentage, excessive solder, insufficient solder, bridge, hole plugging, solder fillet, pad contamination, etc.)
镜头解析度/Lens Resolution	6.5M 13.5μm/16.5μm 可选; 12M 12μm/15μm 可选 (6.5M 13.5μm/16.5μm option; 12M 12μm/15μm option)
精度/Accuracy	XY (Resolution): 10μm
重复精度/Repeatability	height: ≤1μm (4 Sigma) ;volume/area: <1% (4 Sigma) ;
检测重复性/Gage R&R	<<10%
检测速度/Inspection Speed	0.45 SEC/FOV
检测头数量/Quantity of Inspection Head	4个
基准点检测时间/Mark-point Detection Time	0.5sec/piece
最大检测高度/Maximun Measuring Head	15mm
可过板上元件高度/Maximum height of element on PCB	40mm
弯曲PCB最大测量高度 Maximun Measuring Height of PCB Warp	±5mm
最小元件/Minimum element	01005
最大PCB载板&检测尺寸 Maximun Loading PCB & Detection Size(X*Y)	450x450mm 600x686mm
定动轨设置/Conveyor Setup	前定轨(后定轨 选件)front orbit (back orbit as option)
PCB传送方向/PCB Transfer Direction	左到右或右到左(Left to right or Right to left)
轨道宽度调整/Conveyor Width Adjustment	手动&自动(manual & automatic)
工程统计数据/Engineering Statistics	SPC:Production Trend; Xbar-R Chart; Xbar-S Chart; CP&CPK; %Gage Repeatability Data; AOI Daily/Weekly/Monthly Reports
Gerber和CAD 导入Gerber & CAD Data Import	支持Gerber格式 (274x,274d),人工Teach模式, CAD X/Y导入 (support Gerber format (274x,274d),Artificial called the pattern, X/Y import CAD)
操作系统支持/Operating System Support	Windows 10 Professional (64 bit)
设备规格/Equipment Diemension and Weight	W1000xD1174xH1550(510), 985Kg W1180xD1330xH1550(630),1180Kg
选配件/Optional	1D/2D Barcode扫描枪、Badmark功能; 三点照合功能; 离线编程软件、维修工作站 (1 D /2 D Barcode Scanner; Badmark Function; three-point function; offline programming; Repair Station)

技术参数 / Parameters

技术平台/Technology Platform	双轨Type-C平台/Dual-track Type-c Platform
适用系列/Series	A Series
型号/Model	A510DL/A630DL
测量原理/Masurement Principle	正弦白光投影PMP检测 (Sine white projection PMP inspection)
测量项目/Measurements	缺件、偏移、旋转、三维极性、反件、OCV、翘立、侧立、立碑、焊接不良等 (Missing parts, offset, rotation, three-dimensional polarity, upside down, OCV, side standing, tombstone, poor soldering, etc.)
检测不良类型/Detection of Non-Performing Types	焊锡拉尖、焊锡量百分比、多锡、少锡、桥接、堵孔、爬锡、焊盘污染等 (Solder tip, solder volume percentage, excessive solder, insufficient solder, bridge, hole plugging, solder fillet, pad contamination, etc.)
镜头解析度/Lens Resolution	6.5M 13.5μm/16.5μm 可选; 12M 12μm/15μm 可选 (6.5M 13.5μm/16.5μm option; 12M 12μm/15μm option)
精度/Accuracy	XY (Resolution): 10μm
重复精度/Repeatability	height: ≤1μm (4 Sigma) ;volume/area: <1% (4 Sigma) ;
检测重复性/Gage R&R	<<10%
检测速度/Inspection Speed	0.45 SEC/FOV
检测头数量/Quantity of Inspection Head	4个
基准点检测时间/Mark-point Detection Time	0.5sec/piece
最大检测高度/Maximun Measuring Head	15mm
可过板上元件高度/Maximum height of element on PCB	40mm
弯曲PCB最大测量高度 Maximun Measuring Height of PCB Warp	±5mm
最小元件/Minimum element	01005
最大PCB载板&检测尺寸 Maximun Loading PCB & Detection Size(X*Y)	450x310+450x310mm 600x310+600x310mm
定轨设置/Conveyor Setup	前定轨(后定轨 选件)front orbit (back orbit as option)
PCB传送方向/PCB Transfer Direction	左到右或右到左(Left to right or Right to left)
轨道宽度调整/Conveyor Width Adjustment	手动&自动(manual & automatic)
工程统计数据/Engineering Statistics	SPC:Production Trend; Xbar-R Chart; Xbar-S Chart; CP&CPK; %Gage Repeatability Data; AOI Daily/Weekly/Monthly Reports
Gerber和CAD 导入Gerber & CAD Data Import	支持Gerber格式 (274x,274d),人工Teach模式, CAD X/Y导入 (support Gerber format (274x,274d),Artificial called the pattern, X/Y import CAD)
操作系统支持/Operating System Support	Windows 10 Professional (64 bit)
设备规格/Equipment Diemension and Weight	W1000xD1350xH1550(510DL), 1200Kg W1180xD1350xH1550(630DL), 1400Kg
选配件/Optional	1D/2D Barcode扫描枪、Badmark功能; 三点照合功能; 离线编程软件、维修工作站 (1 D /2 D Barcode Scanner; Badmark Function; three-point function; offline programming; Repair Station)

技术参数 / Parameters

技术平台/Technology Platform	超大平台/Large platform
适用系列/Series	A Series
型号/Model	A1200/A1500/A2000
测量原理/Masurement Principle	正弦白光投影PMP检测 (Sine white projection PMP inspection)
测量项目/Measurements	缺件、偏移、旋转、三维极性、反件、OCV、翘立、侧立、立碑、焊接不良等 (Missing parts, offset, rotation, three-dimensional polarity, upside down, OCV, side standing, tombstone, poor soldering, etc.)
检测不良类型/Detection of Non-Performing Types	焊锡拉尖、焊锡量百分比、多锡、少锡、桥接、堵孔、爬锡、焊盘污染等 (Solder tip, solder volume percentage, excessive solder, insufficient solder, bridge, hole plugging, solder fillet, pad contamination, etc.)
镜头解析度/Lens Resolution	6.5M 13.5μm/16.5μm 可选; 12M 12μm/15μm 可选 (6.5M 13.5μm/16.5μm option; 12M 12μm/15μm option)
精度/Accuracy	XY (Resolution): 10μm
重复精度/Repeatability	height: ≤1μm (4 Sigma) ;volume/area: <1% (4 Sigma) ;
检测重复性/Gage R&R	<10%
检测速度/Inspection Speed	0.45 SEC/FOV
检测头数量/Quantity of Inspection Head	4个
基准点检测时间/Mark-point Detection Time	0.5sec/piece
最大检测高度/Maximun Measuring Head	15mm
可过板上元件高度/Maximum height of element on PCB	40mm
弯曲PCB最大测量高度 Maximun Measuring Height of PCB Warp	±5mm
最小元件/Minimum element	01005
最大PCB载板&检测尺寸 Maximun Loading PCB & Detection Size(X*Y)	850x650mm / 1200x630mm / 1500x480mm / 2000x500mm
定动轨设置/Conveyor Setup	前定轨(后定轨 选件)front orbit (back orbit as option)
PCB传送方向/PCB Transfer Direction	左到右或右到左(Left to right or Right to left)
轨道宽度调整/Conveyor Width Adjustment	手动&自动(manual & automatic)
工程统计数据/Engineering Statistics	SPC:Production Trend; Xbar-R Chart; Xbar-S Chart; CP&CPK; %Gage Repeatability Data; AOI Daily/Weekly/Monthly Reports
Gerber和CAD 导入Gerber & CAD Data Import	支持Gerber格式 (274x,274d),人工Teach模式, CAD X/Y导入 (support Gerber format (274x,274d),Artificial called the pattern, X/Y import CAD)
操作系统支持/Operating System Support	Windows 10 Professional (64 bit)
设备规格/Equipment Diemension and Weight	W1780xD1450xH1580(1200), 1750Kg W2120xD1320xH1580(1500), 1800Kg W2620xD1450xH1580(2000) ,2200Kg
选配件/Optional	1D/2D Barcode扫描枪、Badmark功能; 三点照合功能; 离线编程软件、维修工作站 (1 D /2 D Barcode Scanner; Badmark Function; three-point function; offline programming; Repair Station)

技术平台/Technology Platform	单轨Type-C平台/Single lane Type-c Platform
适用系列/Series	Apollo Series
型号/Model	Apollo-510
测量原理/M Measurement Principle	3D白光PSLM PMP (可编程结构光栅相位调制轮廓测量技术)
测量项目/Measurements	元件不良, 芯片不良, 金手指不良, 胶量不良, 塑封后印章不良检测
检测不良类型/Detection of Non-Performing Types	元件不良 (缺件、偏移、旋转、三维极性、反件、OCV、翘立、侧立、立碑、焊接不良等) 芯片不良 (缺芯、偏移、旋转、Chipping、Crack、平整度、污染等)
FOV 尺寸/FOV size	20mmX15mm(12M 5μm) 可选: 1.8μm、3.1μm、7μm、10μm解析度 及1600W、2000W相机
运动精度/Accuracy	XY (Resolution): 10μm (5μm可选)
重复精度/Repeatability	height: ≤1μm (4 Sigma)
检测重复性/Gage R&R	<10%
检测速度/Inspection Speed	0.5 SEC/FOV
2D光源/2D Light source	多角度多分区三色2D光源 (RGB+W)
基准点检测时间/Mark-point Detection Time	0.3sec/piece
上下料方式/Loader & Unloader	接驳台直连 (可选 大容量弱夹式料盒全自动上下料, 可同时进出4料盒)
条码读取/Bar-code Read	支持1D/2D条码读取
追溯系统/Tracebility System	支持自动生成Mappin, 上传SECS/GEM
最大框架载具尺寸/Maximun Frame Vehicle Size	450x450mm
传送方向/Transfer Direction	左到右或右到左
轨道宽度调整/Conveyor Width Adjustment	手动&自动
工程统计数据/Engineering Statistics	Histogram, Xbar-R Chart, Xbar-s Chart, CP & CPK, % Gage Repeatability Data, SPI Daily/weekly/monthly Reports
编程方式/Programming	支持手动与自动方式编程
操作系统支持/Operating System Support	Windows 10 Professional (64 bit)
设备规格/Equipment Diemension and Weight	W1000xD1174xH1550(510), 985Kg