

AI+3D检测设备领导品牌



AI 2D AOI



多角度光源配合高分辨率相机和远心镜头, 大幅度提升检测效果
Multi-angle light source with high resolution camera and telecentric lens, greatly improve the detection effect

高精度运动系统, 确保高速运动下的走停精度
High-precision motion system ensures precise positioning during high-speed movements

丝印干扰去除算法, 去除丝印干扰导致的定位
Silkscreen Interference Removal Algorithm, Alignment Correction due to Silkscreen Interference Removal

可根据工厂需求对接集成 MES系统
Connect and integrate MES system according to factory requirements

强大的 SPC 软件, 提供丰富准确的数据统计
Powerful SPC software to provide rich and accurate statistics

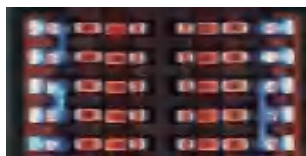
一体式铸造, 高刚性平台
Integrated casting, high-rigidity platform

常见缺陷检测

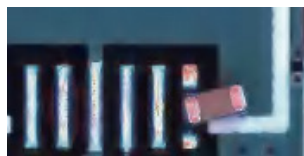
COMMON DEFECTS



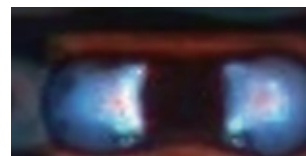
侧立 Billboarding



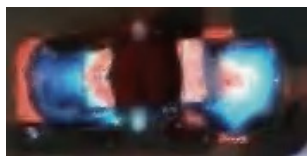
短路 Short circuit



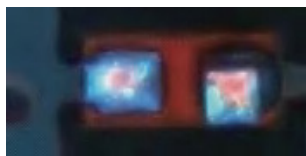
多件 Extra component



多锡 Excess solder



空焊 No solder



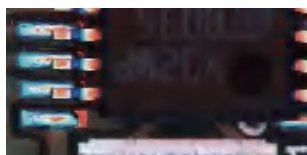
立碑 Tombstoning



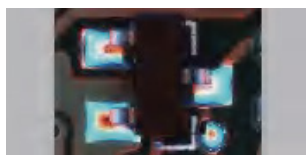
立碑 Tombstoning



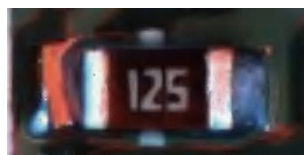
漏印 Print leakage



偏移 Offset



翻件 Rotation

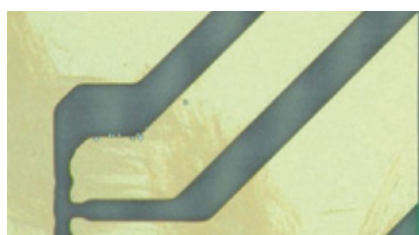


少锡 Insufficient solder



异物 Foreign material

AI可检测缺陷 AI DETECTABLE DEFECTS



炉前锡球 Pre-reflow solder ball



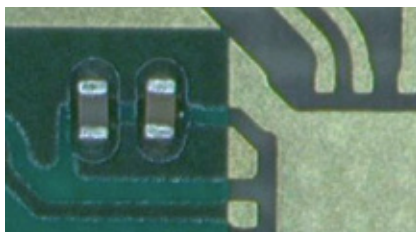
金面划伤 Golden face scratch



金面污染 Golden face contamination



沾锡 Excess solder

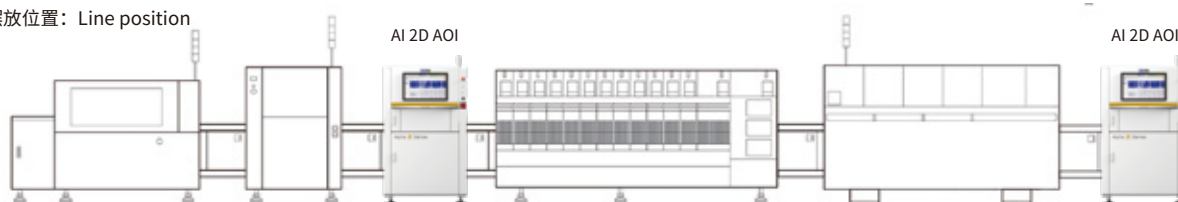


锡珠 Solder ball



异物 Foreign material

摆放位置: Line position



设备参数 EQUIPMENT PARAMETERS

系列产品 Series		Alpha S510	Alpha S510D
类型 Type		单面单轨Single-sided single-rail	单面双轨Single-sided dual-rail
视觉系统 Visual System	成像 Imaging	标配 Standard: 1200W ; 选配 Optional: 2100W	
	分辨率 Resolution Ratio	4μm/7μm/10μm/15μm	
	镜头 Lens	远心镜头 telecentric lens	
	照明 Lighting	RGBW LED	
运动机构 Motion Mechanism	XY运动 XY Motion	AC伺服马达 AC servo motor	
	轨道调宽 Rail width adjustment	自动/手动 Automatic / Manual	
	流向 Direction	左到右或右到左, 可定制 Left--Right or Right--Left Customizable	
	轨道高度 Rail Height	900±30mm	
硬件 Hardware	电源 Power Supply	AC220V	
	功率 Power	3KW	
	气压 Air pressure	0.4-0.6MPa	
	重量 Weight	850—900KG	
	设备尺寸 Equipment Dimension	W1000*D1520*H1580mm	
检查规格 Checking Specifications	基板尺寸 PCB Size	510*460mm	510*320mm*2
	厚度 Thickness	≤6mm	
选配功能 Optional Function	人工智能 Artificial Intelligence	AI大数据训练中心 AI mass data training center	
	辅助功能 Auxiliary functions	远程集中复判、条码读取、OCR识别 Remote centralized rejudgement, bar code reading, OCR identification	
检查项目 Inspection Item	元件缺陷检测 Component detection	缺件、立碑、侧立、偏移、多件、异物、少锡等 Missing、Tombstoning、Billboarding、Offset、Extra Component, Foreign Material、Insufficient solder etc	
	焊点 Solder joint	多锡、少锡、短路、翘脚、锡珠等 Excess solder、Insufficient solder、Short circuit、Twisted feet、Solder ball etc	
	金手指测试 Golden finger test	沾锡、刮伤、异物、氧化、锡珠等 Excess solder、Scratch、Foreign Material、Oxidation、Solder ball	
	胶水检测 Glue detection	溢胶、少胶 Excess glue、Insufficient glue	

德中(深圳)激光智能科技有限公司

DCT (SHENZHEN) LASER INTELLIGENT TECHNOLOGY CO., LTD

深圳:深圳市宝安区福永街道凤凰社区兴业一路46号美联智能产业园A座

SHENZHEN: Building A, Meilian Intelligent Industrial Park, No. 46 Xingye 1st Road, Fenghuang Community, Fuyong Street, Bao'an District, Shenzhen, China.

苏州: 江苏省苏州市工业园区星汉街5号A幢3楼07单元

SUZHOU: Unit 07, 3rd Floor, Building A, No. 5 Xinghan Street, Industrial Park, Suzhou, Jiangsu Province, China.

台湾:台湾高雄市苓雅區三多二路218巷5弄1號

TAIWAN: No. 1, Alley 5, Lane 218, Sanduo 2nd Road, Qianzhen District, Kaohsiung City, Taiwan.

东莞:东莞市长安镇德政西2号1305室

DONGGUAN: No. 1305, Building 2, Dezhengxi Road, Chang'an Town, Dongguan, China.

四川:四川省德阳市珠江西路28号

SICHUAN: No. 28 Zhujiang West Road, Deyang City, Sichuan Province, China.

武汉:武汉东湖技术开发区流芳大道52号光谷文化创意产业园D3栋1606室

WUHAN: Room 1606, Building D3, Guanggu Cultural and Creative Industry Park, No. 52 Liufang Avenue, East Lake Hi-Tech Development Zone, Wuhan, China.

天津:天津市西青区华苑产业园区海泰华科一路11号C座

TIANJIN: Block C, No. 11 Haitai Huakeyi Road, Huayuan Industrial Park, Xiqing District, Tianjin, China.

全国统一服务热线:400-0755-003

NATIONAL SERVICE HOTLINE: 400-0755-003

网址: www.dz-group.com

WEBSITE: www.dz-group.com

研 发 & 生 产 基 地: 德国-埃尔兰根、中国-天津、深圳、苏州、德阳

R&D & PRODUCTION BASES: Germany - Erlangen, China - Tianjin, Shenzhen, Suzhou, Deyang

子公司&销售中心: 德国-汉诺威/立陶宛-考纳斯/中国深圳、苏州、四川、武汉、西安

SUBSIDIARIES & SALES CENTERS: Germany - Hanover / Lithuania - Kaunas / China - Shenzhen, Suzhou, Sichuan, Wuhan, Xi'an

全球网络:德国、中国、立陶宛、加拿大、法国、西班牙、日本、中国台湾、越南、泰国、新加坡、印度、墨西哥、俄罗斯

GLOBAL NETWORK: Germany, China, Lithuania, Canada, France, Spain, Japan, Taiwan (China), Vietnam, Thailand, Singapore, India, Mexico, Russia