

软胶囊外观缺陷光学自动检测设备



- 设备用于检测橄榄型软胶囊的外观缺陷,如异形、尺寸超差、气泡、黑点 / 异物、破损 / 破洞、接缝不齐等。
- 自动上料、排序、拍照和 NG 品分拣。
- 有缺料报警、异常报警、按箱计数报警 / 停止等。
- 操作界面采用工业触摸屏,操作简易,降低了对工人文化水平的要求。
- 采用最新嵌入式无风扇工业计算机,体积小,消除因环境因素造成的计算机死机故障。
- 影像系统和传动系统电气隔离,并采取电气双保险,以保证精密元器件不受损坏。
- 采用进口气动元件,使用寿命是国产气动元件的三倍。
- 能够 7*24 小时连续生产。

Automatic Optical Inspection Equipment for Soft Capsule Appearance Defects

- Used for inspecting defects of oval-shaped soft capsules for deformation, oversize, bubble, black spots/foreign bodies, broken/tiny hole, bad seams etc.
- Automatically loading, sorting, photographing and NG sorting.
- Material shortage warning, abnormal conditions warning, counting boxes.
- User friendly industrial touch screen interface is adopted for easy operation, lower the demands of operators' cultural level.
- Adopt the latest embedded no-fan industrial computer with small volume, to avoid computer crash caused by environmental factors.
- Separate image system and drive system, with double layers of electrical protection, to protect precise components from broken.
- Operation interface realizes industrial touchable screen, which is easy to proceed, and reduces the demand for labors' education level.
- Reliable imported pneumatic components are used, whose service life is three times longer than the domestic ones.
- Enable to run 7*24 hours continuously.

技术指标 Technical Specifications

检测项目 Inspection Items	异形、并丸、尺寸超差、气泡、黑点 / 异物、漏油、渗油、破损 / 破洞、混色、接缝不齐等缺陷 Deformation, double capsule, oversize, bubbles, black spots/foreign bodies, oil leakage, oil penetration, broken/hole, mixed-up colors, bad seams, etc.		
检测对象 Inspection Object	橄榄型软胶囊 Oval soft capsule	Φ 7 ~ 10 mm, L 12 ~ 15 mm	
模具规格 Mould Specification	模具孔的适应范围: 直径 ±1mm,长度 ±1.5mm Range for the mold holes: Φ: ±1mm, Length: ±1.5mm		
检测精度 Minimum Defects Size	尺寸测量精度 Measurement Precision	±0.1mm	
	斑点和气泡最小检测尺寸 Minimal size for spots and bubbles	0.2x0.2mm	
光学分辨率 Optics Resolution	0.05mm	平均无故障时间 MTBF	10,000H
检测速度 Inspecting Speed	≥90,000pcs/h	电源电压 Voltage	220V, 50HZ
功率 Power	2,000W	设备气源 Air Pressure	0.5MPa ~ 0.8MPa
尺寸 / 重量 Dimension/Weight	2mx1mx2m/150kg		
主机工作环境 Work Environment	温度: 5℃~30℃; 相对湿度: <70%RH Temperature: 5℃~30℃ Relative Humidity: <70%RH		

