



## 印字胶囊外观缺陷 光学高速自动检测机

Automatic High-Speed Optical  
Inspection Equipment for Printing  
Capsule Appearance  
Defects(Manaslu-C40)

### 设备特点

- 可实现透明胶囊、半透明胶囊、有色胶囊、植物胶囊等所有类型胶囊检测；
- 新增印字胶囊检测功能,可对胶囊印字缺陷进行精确分析；
- 检测效率高,检测效率不低于 14 万粒 / 小时；
- 可实现胶囊 360 度全检,包括胶囊两头,无盲区,准确率高；
- 可实现检测标准分级,客户自行选择胶囊缺陷检测标准以适应不同质量要求；
- 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；
- 采用进口气动元件,使用寿命是国产气动元件的三倍；
- 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；
- 实现 24 小时连续生产。

### Equipment Characteristic

- Fit for transparent capsules, semi-transparent capsules, colorful capsules and natural capsules.
- New added printing capsule inspection function enables precise analysis of the printing defects.
- High Inspection efficiency, the inspection speed is higher than 140,000 pcs per hour.
- Inspected by 360 degree all-round, covering both ends of the capsule, no blind area and high accuracy.
- Adjustable inspection level to meet different inspection requirement.
- User friendly industrial touch screen interface is adopted for easy operation.
- Reliable imported pneumatic components are used, and service life is three times longer than local counterpart.
- Adopted the latest embedded non-fan industrial computer with some small volume, to avoid computer crash caused by environmental factors.
- Separate image system and drive system, with double layer of electrical protection, to protect precise components from broken.
- Enable to run 24 x 7 hours continuously.

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# 技术指标 Technical Specifications

|                               |   |                                      |                 |
|-------------------------------|---|--------------------------------------|-----------------|
| 检测项目<br>Inspection Items      | 黑斑、气泡、破口、破洞、裂缝、切丝、双套、帽短、帽长、短体、长体、异物、厚薄不均、单片、混料、皱皮、梅花头、顶凹、变形、混色、漏印、缺字、印字不良等<br>Black spots, bubble, nick, holes, crack, shred, double caps, short cap, long cap, short body, long body, foreign bodies, uneven surface, single piece, crude rubber, mixed-up material, wrinkled coat, wobblers, dents on the top, deformation, mixed-up colors, unprinted capsules, unclear print, multiple print defects etc. |                                      |                 |
| 适用产品<br>Applications          | 空心胶囊(透明、半透明、不透明、印字胶囊)<br>Hard empty capsule (transparent capsules, semi-transparent capsules, nontransparent capsules and printing capsule)   |                                      |                 |
| 检测规格<br>Inspection Size       | 00#、0#、1#、2#、3#、4#  |                                      |                 |
| 检测精度<br>Minimum Defect Size   | 0.05mm  | 平均无故障时间<br>Mean Time Between Failure | 10,000 H        |
| 检测速度<br>Inspection Speed      | ≥ 140,000pcs/h  | 功率<br>Power                          | 2000 W          |
| 电源电压<br>Voltage               | 220V, 50HZ  | 设备气源<br>Air Supply                   | 0.5MPa ~ 0.8MPa |
| 尺寸 / 重量<br>Dimension/Weight   | 1.8 m*1.8 m*1.6 m / 300kg   |                                      |                 |
| 主机工作环境<br>Work Environment    | 温度: 5 C~30 C; 相对湿度: <70%RH<br>Temperature: 5 C~30 C; Relative Humidity: <70%RH  |                                      |                 |
| 设备功能<br>Function              | 实现多种型号工件的外观缺陷检测<br>Enable to accomplish inspecting for different types workpieces of appearance defects   |                                      |                 |
| 其他特点<br>Other Characteristics | 1、实时显示胶囊外观质量和检测状态<br>2、设备故障、缺料自动报警<br>3、支持远程调试<br>1、 Real-time display of detection status;<br>2、 Alarm of failure and lack of materials automatically;<br>3、 Support remote debugging.   |                                      |                 |



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