

# PRODUCT INTRODUCTION

## 产品介绍

产品—消费品

高速滴丸外观缺陷光学自动检测设备

High-Speed AOI Machine for  
Seamless Capsule Appearance Defects

1.专用于滴丸外观缺陷检测，常见缺陷包括气泡、空丸、实心、斑点、偏大、偏小、混料、黑点、圆度不饱满、拖尾、混色等。

2.采用多角度检测，确保检测准确性。

3.新增机械旋转工艺，实现了360度全面检测。

4.采用多通道并行检测，有效提升了检测速度，检测极值可达80万粒/小时，已达到国际检测水平。

5.可扩展机械筛选功能，防止异形的滴丸扰乱后道工序的检测环境。

6.自动上料、排序、拍照和NG品分拣。

7.操作界面采用工业触摸屏，操作简易。

8.能够7\*24小时连续生产。

1.Commonly used for appearance defects detection of dropping pills, whose common defects includes bubble, empty capsule, solid, rust, oil leakage, large size, smaller size, mixed up, black spots and out of roundness, mixed-up colors etc.

2.Multi angle detection is adopted to ensure the accuracy of detection.

3.Adding a new industrial hand mechanism achieves 360-degree comprehensive testing.

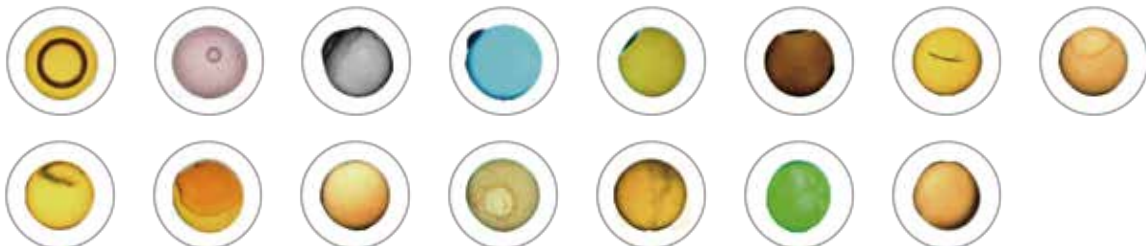
4.Adopting multi-channel parallel detection effectively improves inspection speed and maximum detection rate is up to 800,000pcs/h.

5.Mechanical sorting function can be extended to prevent the deformation capsule from disturbing the testing environment of afterwards procedure.

6.Automatically loading, sorting, photograph and NG sorting.

7.User friendly industrial touch screen interface is adopted for easy operation.

8.Enable to run 7\*24 hours uninterrupted.





## 技术指标/Technical Specifications

检测项目 Inspection Items	气泡、带帽丸、空丸、实心、斑点、拖尾、小洞、偏大、偏小、混料、黑点、破洞、圆度不饱满、混色等外观缺陷。 bubble, double capsule, empty capsule, solid capsule, spots, deformation, tiny pore, large size, smaller size, mixed up, black spots, holes, out of roundness, mixed-up colors, etc.		
检测范围 Inspection Range	Φ 2-4mm (需分档/need to grade)		
检测精度 Precision	0.2mm		
检测速度 Inspection Speed	≥800,000pcs/h		
平均无故障时间 Mean Time Between Failure	10,000H		
分辨率 Resolution	0.03mm	电源电压 Voltage	220V,50HZ
功率 Power	2000W	设备气源 Air Supply	0.5 ~ 0.8MPa
尺寸/重量 Dimension/Weight	1.3 m*0.9 m*1.6 m / 300kg		
系统工作环境 Work Environment	温度：5℃~ 30℃ 相对湿度：<70%Rh Temperature: 5℃~30℃ Relative Humidity: <70%Rh.		
其它特性 Other Characteristics	1、实时统计滴丸尺寸且采用正态分布图直观显示 2、实时显示检测状态及NG品数量报警 3、软件具有远程技术支持功能。 1. Real-time display the dropping pills size with normal distribution map; 2. Real-time display status of detection and alarm the quantity of NG products; 3. It supports remote debugging.		