

# PRODUCT INTRODUCTION

## 产品介绍

产品—汽车制造

全自动机器视觉在线检测设备  
Automatic Online Inspection Equipment  
for Machine Vision



全自动机器视觉在线检测设备是用于在线检测粉末冶金件、精密陶瓷件、精密冲压件、电子元器件、汽车零部件等中大型尺寸工件的外观缺陷检测设备，常见工件如链轮、齿圈、离合器压盘、行星齿轮、阀座、圆盘等。

该设备的突出特点是检测量程大，适合直径为50~300mm的多型号工件，一台设备可满足多种类工件的检测，以漏加工、识别字符、混料等检测需求为主；缺料自动报警功能及实时显示被测工件的外观缺陷及检测状态是该设备的又一大新增功能；此外，该设备具有良好的扩展性及适应性，可以根据客户实际需求扩展至双工位或多工位检测。

Automatic Online Inspection Equipment for Machine Vision is an inspection machine for appearance defects, which is used to detect medium-large size workpieces, such as powder metallurgy parts, precision ceramic parts, precision stampings, electronic components, auto parts and so on. And common workpieces are like sprockets, gear ring, clutch pressure plate, planet gear, valve seat and disk.

The main feature of this equipment is its large measuring range, and suitable for multi-type workpiece which diameter is 50mm ~ 300mm. And one equipment can fulfill missing-process detection, mixed-material detection and character identification of various workpiece; And the new function of the equipment includes auto-alarm for lacking of material and real-time display of workpiece appearance defects and detection status. In addition, the equipment has good expansibility and adaptability, and can be extended to double station or multi station detection according to the actual needs of customers.



技术指标Technical Specification			
检测项目 Inspection Item	缺料、崩损、凹坑、划痕、压伤、磕碰、标识不清、磨削不均、错位、漏序、孔内多料、废料、生锈等外观缺陷。 Short shots, chipping, dents, scratch, breaking marks, grinding marks, unclear recognition, uneven grinding, incorrect position, missing procedure, more material in pore, scrap, rust, etc.		
检测要求 Requirements	工件表面干净，无油污。 Clean surface, no grease		
检测范围 Inspection Range	Ø 50-300mm, H 5~30mm		
检测速度 Inspection Speed	3600~7200 pcs/h		
平均无故障时间 Mean Time Between Failure	10,000H	检测精度 Precision	0.3mm, 裂纹 >0.1x1mm 0.3mm, Crack>0.1x1mm
光学分辨率 Optical Resolution	0.05mm	电源电压 Voltage	220V,50HZ
功率 Power	2000W	设备气源 Air Supply	0.5 MPa ~ 0.8MPa
尺寸/重量 Dimension/Weight	1.2m*0.9m*1.8m / 200kg		
工作环境 Work Environment	温度：5°C~ 30°C 相对湿度：<70%Rh Temperature: 5°C~30°C Relative Humidity: <70%Rh.		
其它特性 Other Characteristics	1、实时显示检测状态及NG品数量报警； 2、设备软件具有远程技术支持功能。 1. It displays the real-time detecting status and alarms of NG products; 2. It supports remote debugging.		
拓展应用 Extensible Application	1、检测螺纹有无； 2、SIM卡的卡托尺寸测量。 1. It can check thread; 2. It can measure the size of SIM card's base.		