

PRODUCT INTRODUCTION

产品介绍

产品—汽车制造

汽车零部件外观缺陷光学自动检测设备
AOI Machine for Auto Parts Appearance Defects

汽车零部件外观缺陷光学自动检测设备主要用于检测汽车发动机、变速箱及传动系统中核心零部件；可360度全方位检测工件各部位全类别外观缺陷。检测速度达到国内领先水平，最快检测速度可达2万件/小时，相当于2至4名熟练人工目检人员同时工作；可适用于各类金属加工件，粉末冶金件、磁材、精密陶瓷、电子元器件、小五金、紧固件等行业。

Automatic Optical Inspection Equipment for Auto Parts Appearance Defects is mainly used to detect the core parts of automobile engine, gearbox and transmission system; It can achieve 360° detection of all kinds of appearance defects in the workpiece. The detection speed has reached the domestic leading level, and the fastest detection speed can reach 20,000 Pcs/hour, which is equivalent to 2-4 skilled manual visual inspectors working at the same time; It can be applied to various metal processing parts, powder metallurgy parts, magnetic materials, precision ceramics, electronic components, hardware, fasteners and other industries.



技术指标 Technical Specification

检测项目 Inspection Item	崩损、端面伤、错位、裂纹、划伤、磨伤、侧面裂纹、压伤等外观缺陷。 Chipping, marks on ends, incorrect position, crack, Scratches, abrasions, lateral crack, breaking marks, 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 5-50mm		
检测速度 Inspection Speed	玻璃圆盘——20,000件/小时，传输带——7,200工件/小时。 Glass Disk—20,000pcs/h, Transmission Belt—7,200pcs/h.		
平均无故障时间 Mean Time Between Failure	10,000H	检测精度 Precision	0.3mm, 裂纹 > 0.1*1mm 0.3mm, Crack > 0.1 * 1mm
光学分辨率 Optical Resolution	0.03mm	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	1.0m*1.0m*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.		