

外观缺陷检测机器人



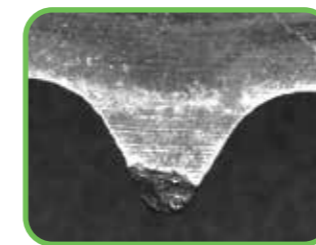
外观缺陷检测机器人用于检测汽车零部件、磁性材料、粉末冶金件、精密陶瓷件、电子元器件等工业零配件中大尺寸工件的外观缺陷、识别工件上的字符并自动分拣。所检测外观缺陷包括崩损、少齿、气孔、沙眼、裂纹等；可识别英文和阿拉伯数字等字符。该设备采用了工业机械手，相对于传统机构的检测设备可检测更多不同型号的工件，灵活性和适应性较好。

Inspecting Robot for Appearance Defects

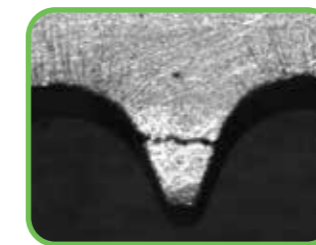
Inspecting Robot for Appearance Defects is used on middle-and-large sized industrial spare parts, including auto spare parts, magnetic material, powder metallurgy parts, precision ceramic parts, electronic components etc, for appearance defects. It can also distinguish markings on workpieces while sorting automatically. Appearance defects include chip, teeth shortage, stoma, tiny hole, crack etc. Moreover, English letters and Arabic numbers are readable. An industrial robotic arm is employed in the device, which compared to devices with traditional mechanical structure, our device is able to inspect more different models of workpiece to increase flexibility and adaptability.

技术指标 Technical Specifications

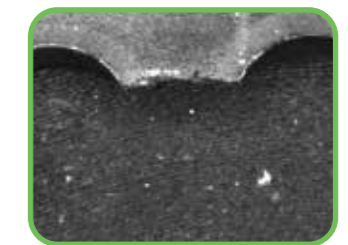
检测项目 Inspection Items			
崩损、少齿、气孔、沙眼、裂纹、字符。 Chip,teeth shortage,stoma,tiny hole,crack,character.			
检测范围 Inspection Range	Ø 75-115mm,工件高度范围 H5~40mm; 字符不小于七号字。 Ø 75-115mm,workpiece height at H5~40mm; Character size not less than 5.5.	检测要求 Requirements	工件表面干净,无油污 Clean workpiece, grease free
光学分辨率 Optical Resolution	0.05 毫米 0.05mm	检测精度 Detection Accuracy	0.3 毫米 0.3 mm
检测速度 Efficiency	600 个 / 小时 600pcs/hr	平均无故障时间 Mean Time to Failure	10000小时 10000hrs
功率 Power	4000 瓦 4000W	设备电源 Voltage	220 伏,50 赫兹 220V,50HZ
尺寸/重量 Dimension/Weight	2米×1.8米×1.8米 / 300千克 2m×1.8m×1.8m /300kg	设备气源 Air Pressure	0.5 ~ 0.8 兆帕 0.5 ~ 0.8MPa
设备功能 Function	实现大齿轮缺陷、字符识别并分拣 Realize defects and character of big gears are distinguished and sorted.	系统工作环境 Work Environment	温度 5℃到 30℃; 湿度小于 70 Ambient Temperature 5℃to30℃; Humidity less than 70
其它特性 Other Characteristics			
实现工件缺陷检测、字符识别并分拣。 Realize defects and character of workpiece are inspected, distinguished and sorted.			



崩损
Chip



裂纹
Crack



缺齿
Teeth shortage



混料
Mixed material



表面凹坑
Appearance pit



漏淬火
Non- quenching