PRODUCT INTRODUCTION
产品介绍

产品—汽车制造

外观缺陷检测机器人

Inspecting Robot for
Appearance Defects

外观缺陷检测机器人主要用于检测汽车零部件、铸造件、精密陶瓷件、电子元器件、缸套、活塞等中大型尺寸工业零配件。主要检测缺陷包括崩损、少齿、气孔、沙眼、裂纹等，可识别英文字符和阿拉伯数字。

新增工业机械手机构，主要特点一是精准定位，避免由于定位失误造成漏检、二次损伤等现象；二是实现工件360度多角检测，解决了传统机构无法完成工件正反面检测的难点。另外，该设备具有优异的灵活性及适应性，相对于传统的检测设备可检测多型号工件，并针对客户实际需求增加检测工位。

Materials, precision ceramic parts, electronic components and other large-medium-size industrial parts, such as sprockets, gears, stators, rotators can be inspected.Primary defect including chipping less teeth, spots, roughness, crack, cylinder liner and piston and so on is detectable. English characters and Arabic numerals can be identified.

By adding a new industrial hand mechanism, it realizes: 1. Precise positioning, avoiding the phenomenon of missing inspection and secondary damage caused by positioning error; 2. The 360 degree multi-angle detection and lateral angle detection of the tooth part can solve the problem that traditional mechanisms cannot complete the difficulty of lateral detection. In addition, the equipment has excellent flexibility and adaptability, comparing with the traditional testing equipment, which can detect multi-type workpiece, and the new inspection stations can be added in accordance with customers' actual demands.

漏淬火 Non- quenching	混料 Mixed Up	表面凹坑 Dents on Face	混料 Mixed Up	裂纹 Crack	崩损 Chipping	缺齿 Less Tooth	齿顶 Top of The Tooth

技术指标Technical Specification			
检测项目 Inspection Item	崩损、少齿、气孔、沙眼、裂纹、字符等外观缺陷 。 Chipping, less teeth, pore, cell, fissure, characters and other appearance defects.		
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 50-120, H 5~40mm		
检测速度 Inspection Speed	360~600pcs/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	0.05 mm	电源电压 Voltage	220V,50HZ
功率 Power	4000W	设备气源 Air Supply	0.5 MPa ~ 0.8MPa
尺寸/重量 Dimension/Weight	1.2m*1.2 m*1.8 m / 300kg		
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/technical support.		