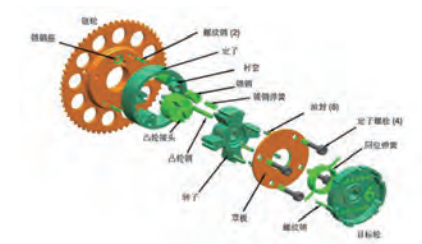# VVT/VCT 零部件外观缺陷光学自动检测设备

VVT/VCT 零部件外观缺陷光学自动检测设备用于检测直径为 65mm~110mm 的 VVT/VCT 零部件，例如链轮、定子、转子、罩板、凸轮接头、目标轮等，可以检测崩损、磕碰、裂纹、字符或标记识别、漏加工。

设备主要特点：一是机构设计优异合理，不但有效避免工件的二次损伤，而且可以完成不同角度的照片拍摄，同时采用高精度线扫描相机，保证外侧面检测效果；二是检测速度快，检测精度高，检测性能稳定，7X24 小时连续工作；三是数据统计功能完善，实时显示检测数量及各类缺陷数量，有利于厂家及时发现问题，降低客户投诉率。

Automatic Optical Inspection Equipment for VVT/VCT Parts Appearance Defects

Automatic Optical Inspection Equipment for VVT/VCT Parts Appearance Defects is used to detect VVT/VCT parts whose diameter is 65mm~110mm, such as sprockets, stators, rotators, cover plates, cam connectors, target wheels and so on. It can inspect chipping, crack and fissure; identify characters or marks, missing procedure.

Main features: First, excellent mechanical design, not only can avoid the secondary damage of the workpiece, but it also can complete photography by different angels. And using high-precision linear scan camera to ensure the effect of outer and lateral inspection; Second, fast inspecting speed, high inspecting precision, stable inspecting performance and continuously work within 7*24 hours; Finally, data statistics perfection, display the real-time quantity of inspection goods and different defects, which contributes to find problems for manufacturers and lower the rate of complaints.

技术指标
Technical Specifications

检测项目 Inspection Items	上下端面及侧面齿部缺陷；可检测缺陷包括：崩损、磕碰、裂纹等；字符或标记识别、漏加工 Defects includes: defects on both ends and the profile of teeth; chipping, collapsed, fissure; characters or marks identification, procedure missing and so on.			
检测范围 Inspection Range	Φ 65~110mm，H 15~30mm		检测要求 Requirements	工件表面干净，无油污 Clean surface, no grease
检测精度 Minimum Defects Size	崩损、缺齿：0.3mm；裂纹：>0.1x1mm Chipping and lee teeth: 0.3mm; Fissure: >0.1x1mm			
光学分辨率 Optics Resolution	0.05mm		平均无故障时间 MTBF	10,000H
检测速度 Inspection Speed	600~900pcs/h		电源电压 Voltage	220V, 50HZ
功率 Power	2,000W		设备气源 Air Pressure	0.5MPa ～ 0.8MPa
尺寸 / 重量 Dimension/Weight	2mx0.8mx1.5m / 150kg			
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			
其他特性 Other Characteristics	• 实时显示检测状态及 NG 品数量报警； • 设备具有检测数量统计、缺陷类型统计功能，检测数据可导出； • 软件具有远程技术支持功能。 • Display real-time status of detection and alarm of the quantity of NG products; • Counting data of defects and data can be exported; • Support remote debugging.			