

PRODUCT INTRODUCTION

产品介绍

产品一轴承

调心滚子外观缺陷光学自动检测设备

AOI Machine for
SRB Roller Appearance Defects

调心滚子外观缺陷光学自动检测设备是专业检测调心滚子外圆和两端外观缺陷的检测设备,成功突破了检测角度和检测速度之间的矛盾，实现了滚子外圆360度全面检测，新增倒角检测、凹穴检测、多型号配置等功能，应用柔性连接，有效避免二次损伤，并可在各种环境下进行7*24小时不间断工作。

先进的检测技术使检测功能更齐全，友好的人机界面使人工操作更便捷，涵盖数十粒滚子缺陷的数据库使得检测数据更准确，整体设备已达到国际领先水平。

AOI Machine for SRB Roller Appearance Defects is a professional inspection machine for OD and both ends of Spherical Roller Bearings. It achieves a 360 degree overall detection of roller. In addition, new chamfer detection, dent detection, multi-model configuration and flexible connections functions are added to avoid secondary damage, and it operates 24/7 under a variety of environments.

Advanced detection technology makes the detection function more complete, user-friendly machine interface makes the manual operation more convenient. What’s more, the database covering hundreds of millions of roller defects makes the detection data more accurate. Now our detection technology has reached the international leading level.



端面擦痕
Scratch



端面加工伤
Process Defect



端面加工伤
Process Defect



端面加工伤
Process Defect



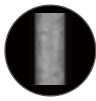
端面磕碰伤
Damage



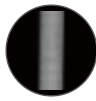
端面线伤
Linear Defect



外径黑点
Spot



外径花斑
Stain



外径划伤
Scratch



外径磕伤
Damage



外径磨伤
Abrasion



外径磨伤
Abrasion



检测项目 Inspection Items			
滚道面外观缺陷 Raceway Appearance Defects	欠磨、磨伤、过磨、缺料、压伤、锈斑、擦伤、划伤、磕碰伤等缺陷。 Less Grinded, Grinding Marks, Excess Grinding, Smashed, Rust, Scratch, Crack and etc.		
两端面及倒角外观缺陷 Both Ends & Chamfers Appearance Defects	端面磨伤、欠磨、裂纹、废料，倒角、凹坑、缺料磕碰等缺陷。 Defects such as end face abrasion, underwear, cracks, scrap, chamfers dents, missing materials, and collisions.		
检测范围 Inspection Range	Ø 12~60mm, L 12~80mm (Grading Detection)（需分档检测）		
检测要求 Requirements	工件表面干净，无油污 Clean surface, no grease		
检测速度 Inspection Speed	900~1,800pcs/h		
平均无故障时间 Mean Time Between Failure	10,000H	检测精度 Precision	0.3mm
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 ~ 0.8MPa
尺寸/重量 Dimension/Weight	1.5m*1.7 m*2.5 m / 500kg		
系统工作环境 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 real-time detection status and alarm the quantity of NG products. 2. It supports remote debugging.		