

# PRODUCT INTRODUCTION

## 产品介绍

产品一轴承

滚针外观缺陷光学自动检测设备  
AOI Machine for Needle Roller/  
Quill Roller Appearance Defects



滚针外观缺陷光学自动检测机是用于轴承滚针360°外观缺陷检测，可检外圆滚动面的磨伤、烂点、塌头、刀板印等缺陷以及滚针长度的测量和超差分拣。检测速度可达到60,000件每小时，高速外观检测可适用于连线外观检测。设备同时集成尺寸测量和超差剔除功能，测量精度可达0.02mm，可有效对长度超差进行剔除。

设备还可以用于销轴等圆柱体工件，解决人工检测中错检、漏检等一些疑难现象，帮助客户在节约人力成本的同时提高产生的检测质量，增加产品的市场竞争力。

Automatic Optical Inspection Machine for Needle Roller/Quill Roller Appearance Defects realizes all-round 360 degree inspecting of needle roller/quill roller, and catches defects like grinding mark, rust, depressed, knife plate printing, etc., At the same time, it can measure length and size of needle roller/quill roller, the accuracy is 0.02mm, which can be effective on the length difference sorting. Inspecting efficiency achieves as 60,000Pcs/h, and high speed visual inspection could apply to connection detection.

The machine can also be used for/ in the valve guides, cylindrical pin appearance inspection, and solve the problem like fault detection, missed detection in manual inspection. It will be helpful for customers to save labor costs, improve the quality of production and increase the market competitiveness of products.



检测项目 Inspection Items			
主要检测项 Inspection Items	滚动面的磨伤、刀板印、麻点/烂点、塌头、平头、弯料/大磨伤、材料伤/裂纹，长度测量，端面不圆度测量。 Grinding marks on raceway, marks like knives, rusty spots, short shots, flat end, over-grinding, crack, length measurement, out of roundness measurement		
检测范围 Inspection Range	Φ 2-4mm, L 10-30mm		
测量精度 Measurement Precision	0.02mm	检测速度 Inspection Speed	60,000Pcs/h
平均无故障时间 Mean Time Between Failure	10,000H	检测精度 Precision	0.2mm
光学分辨率 Optical Resolution	0.03mm	电源电压 Voltage	220V,50HZ
功率 Power	1000W	设备气源 Air Supply	0.5MPa ~ 0.8MPa
尺寸/重量 Dimension/Weight	1.6m*0.8m*1.7m / 450Kg		
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.		
可扩展应用 Extensible Application	可以完成不同尺寸滚针的检测。 It is able to accomplish inspecting of different sizes needle rollers./quill rollers.		