

## 1. PRODUCT MANUAL:

One-button axis scanner, integrating advanced technologies such as light, machine, electricity, software, hardware, and intelligent image processing, using area search, contour feature matching, target pre-positioning, region selection, edge capture, blur The arithmetic algorithm realizes artificial intelligence, realizes the parameter measurement of the shaft parts with high efficiency and high precision, makes the axis parameter measurement process simple, efficient and precise, and provides the industry with a more effective detection method for the rotating body parts, which satisfies the industrial sampling inspection and The need for mass inspection to improve product quality;

## 2.PRODUCT FEATURES:

Detailed information, the number of single measurement tasks can be up to 200 size types;

Wide application range, suitable for a variety of shaft part types, as long as the diameter and length meet the instrument measurement range;

Increased efficiency, for example, 200mm long, 50 task parameters of the shaft parts, measuring time of about 60 seconds;

Friendly interface, human-machine interactive interface, instant prompt function, no programming;

Data authority, no manual participation, no subjective influence, stable and reliable measurement results;

Easy to use, no positioning, no focus, no dimming, constant measurement conditions;

Convenient for inquiries, all measurement results are stored in Access data, can be queried at any time;

Easy to operate, after the parts are clamped, one-button operation;

Measurement data is output in EXCEL format or in a format specified by the customer to facilitate statistical analysis;

The judgment is clear, the measurement results are directly marked on the image, and the qualified and unqualified are distinguished by different colors;

### 3.SPECIFICATION PARAMETER

TYPE	MHS-scan_304	MHS-scan_309
MEASURE RANGE Ø - L	40*300mm	90*300mm
MAX ERROR Ø - L	1.5+D[(mm)/200]µm ;4+L[(mm)/200] µm	
REPEATABILITYØ - L	0.3 µm/1.2 µm	
OVER SIZE	615 x 790 x 1050 mm	625 x 790 x 1050 mm

### 4.THE SCOPE OF APPLICATION:

The optical automatic measuring system for shaft parts is used for non-contact measurement of rotating parts. It can replace non-contact measurement such as traditional contour projector, image measuring instrument, microscope, etc. It can also replace contact measurement such as micrometer and caliper. A more efficient detection method for rotating body parts. The measuring object includes the various rotating bodies shown in the following figure: