

LARGE SIZE QUICK MEASUREMENT SYSTEM

CODE QMS-A450



SPECIFICATION

Optical lens		dual-field dual-telecentric low-distortion lens	
Measurement range		wide view field	small view field
		500×400mm	430×350mm
Measurement accuracy *	without stitching	±3μm ^①	±1μm ^②
	with stitching	±(5+0.02L)μm ^③	±(3+0.02L)μm ^④
Repeatability	without stitching	±1μm	±0.5μm
	with stitching	±2μm	±1.5μm
Illumination system	transmission light	telecentric illuminator, green light	
	surface light	vertical illuminator, high angle ring white light vertical illuminator, 4-zone low and medium angle ring white light (electric) vertical illuminator, circular (directional) green light (electric)	
	coaxial light (optional)	vertical illuminator, white light	
Max. weight of workpiece		25kg	
Measurement time		<2s	
Measurement data		2D measurement	
Environmental requirement		temperature: 20°C±2°C, relative humidity: 30%~80%, vibration: <0.002g, less than 15Hz	
Power supply		220V, 50Hz, 1200W	
Dimension (L×W×H)		1060×860×1890mm	
Net weight		650kg	

* The optimum temperature is 20°C±1°C

① Within 73×49mm, on focal position and environment temperature at 20°C±1°C

② Within 16×12mm, on focal position and environment temperature at 20°C±1°C

③ Within 450×360mm, on focal position and environment temperature at 20°C±1°C

④ Within 387×315mm, on focal position and environment temperature at 20°C±1°C

- One or more workpieces can be measured by one step operation
- Place workpieces at any position
- Focus and measure automatically
- Measurement of 999+dimensions and 200+workpieces
- Suitable for parts with high precision requirements for large, medium, and small sizes

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Software	1 pc
Data transmission function	1 pc

OPTIONAL ACCESSORY

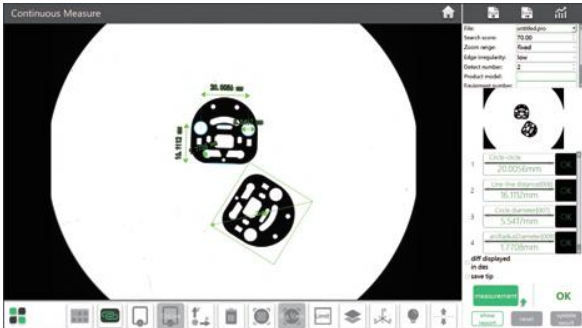
Coaxial light illumination	QMS-43-A1 (must be installed in factory)
CAD import function of software	QMS-23-C1
Laser sensor	QMS-43-SJ1 (must be installed in factory)
Foot-switch	QMS-43-FS1
Glass calibration plate	QMS-CALIBRATION
MES transmission function	QMS-23-E1
Rotary table	QMS-43-RT1 (must be installed in factory)



rotary table (optional), maximum clamping diameter 60mm, rotation angle resolution 0.02°, rotation range 360°, rotation speed 12~120RPM

Software (included)

- Automatically measure widths, holes, rings, angles at the same time, simple and efficient



- Measuring result can be stored automatically. OK items and NG items can be counted automatically

