

HIGH PRECISION QUICK MEASUREMENT SYSTEM CODE QMS-H210

SMALL VIEW FIELD SUITABLE FOR MEASURING
SMALL SIZES SUCH AS THREADS AND CHAMFERS



SPECIFICATION

Optical lens		dual-field dual-telecentric low-distortion lens	
Measurement range		wide view field	small view field
		210×130mm	200×100mm
Measurement accuracy *	without stitching	$\pm 2\mu\text{m}^{①}$	$\pm 1\mu\text{m}^{②}$
	with stitching	$\pm (4+0.02L)\mu\text{m}^{③}$	$\pm (2.7+0.02L)\mu\text{m}^{④}$
Repeatability	without stitching	$\pm 1\mu\text{m}$	$\pm 0.25\mu\text{m}$
	with stitching	$\pm 2\mu\text{m}$	$\pm 1.25\mu\text{m}$
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		5kg	
Measurement time		<2s	
Measurement data		2D measurement	
Environmental requirement		temperature: $20^{\circ}\text{C}\pm 2^{\circ}\text{C}$, relative humidity: 30%~80%, vibration: <0.002g, less than 15Hz	
Power supply		110/220V, 50/60Hz, 600W	
Dimension (L×W×H)		460×515×740mm	
Net weight		45kg	

* The optimum temperature is $20^{\circ}\text{C}\pm 1^{\circ}\text{C}$

① Within 20×20mm, on focal position and environment temperature at $20^{\circ}\text{C}\pm 1^{\circ}\text{C}$

② Within 8×5mm, on focal position and environment temperature at $20^{\circ}\text{C}\pm 1^{\circ}\text{C}$

③ Within 189×117mm, on focal position and environment temperature at $20^{\circ}\text{C}\pm 1^{\circ}\text{C}$, and workpiece is less than 2kg, L is the travel of stage

④ Within 180×90mm, on focal position and environment temperature at $20^{\circ}\text{C}\pm 1^{\circ}\text{C}$, and workpiece is less than 2kg, L is the travel of stage

- 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 300+workpieces
- Suitable for parts with high precision for medium and small sizes

STANDARD DELIVERY

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



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



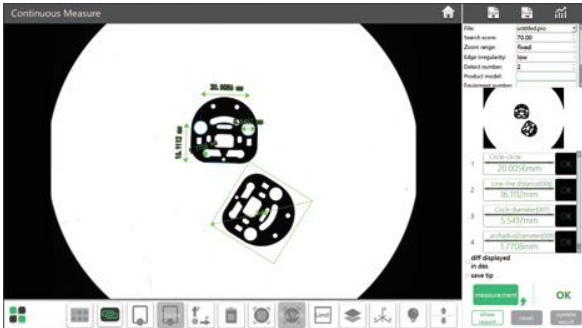
11.6" LCD (optional)

OPTIONAL ACCESSORY

Coaxial light illumination	QMS-23-A5 (must be installed in factory)
Glass calibration plate	QMS-CALIBRATION
MES transmission function	QMS-23-E1
CAD import function	QMS-23-C1
Laser sensor	QMS-43-SJ1 (must be installed in factory)
Foot-switch	QMS-43-FS1
11.6" LCD	QMS-23-B1 (must be installed in factory)
Rotary table	QMS-43-RT1 (must be installed in factory)

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

