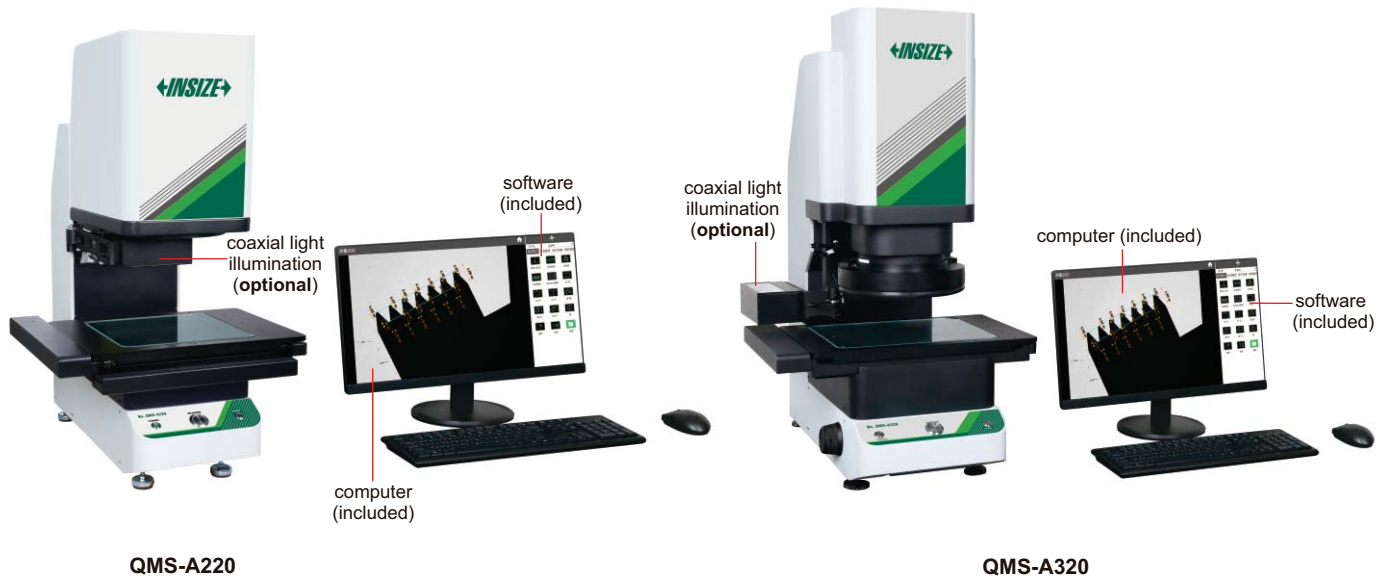


# QUICK MEASUREMENT SYSTEMS (WITH STITCHING)

SMALL VIEW FIELD OF QMS-A220 AND QMS-A315 SUITABLE FOR MEASURING SMALL SIZES SUCH AS THREADS AND CHAMFERS



QMS-A220

QMS-A320

## SPECIFICATION

Code	QMS-A220		QMS-A315		QMS-A320	
Optical lens	dual-field dual-telecentric low-distortion lens					
	wide view field: Ø100mm small view field: Ø25mm		wide view field: Ø100mm small view field: Ø25mm		wide view field: Ø150mm small view field: Ø50mm	
View field range	<b>wide view field</b>	<b>small view field</b>	<b>wide view field</b>	<b>small view field</b>	<b>wide view field</b>	<b>small view field</b>
	93×62mm	20×16mm	100×80mm	25×20mm	150×110mm	50×35mm
Measurement range	200×200mm	130×130mm	300×200mm	230×130mm	300×210mm	200×135mm
Measurement accuracy *	without stitching	±3µm <sup>①</sup>	±1µm <sup>②</sup>	±3µm <sup>①</sup>	±1µm <sup>②</sup>	±5µm <sup>③</sup>
	with stitching	±(5+0.02L)µm <sup>⑤</sup>	±(3+0.02L)µm <sup>⑥</sup>	±(5+0.02L)µm <sup>⑦</sup>	±(3+0.02L)µm <sup>⑧</sup>	±(7+0.02L)µm <sup>⑨</sup>
Repeatability	without stitching	±1µm	±0.5µm	±1µm	±0.5µm	±1µm
	with stitching	±2µm	±1.5µm	±2µm	±1.5µm	±2µm
Max. weight of workpiece	5kg					
Measurement time	<2s					
Measurement data	2D measurement					
Power supply	220V, 50Hz, 600W					
Illumination system	back light	telecentric illuminator, green light				
	ring light	4-zone circular white high light circular (directional) low-angle green light (electric)				
	coaxial light (optional)	vertical illuminator, white light				
Environmental requirement	temperature: 20°C±2°C, relative humidity: 30%~80%, vibration: <0.002g, less than 15Hz					
Dimension (L×W×H)	532×480×766mm		532×497×766mm		669×510×883mm	
Weight	50kg		60kg		68kg	

\* The optimum temperature is 20°C±1°C

① Within 80×64mm, on focal position and environment temperature at 20°C±1°C

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

③ Within 120×88mm, on focal position and environment temperature at 20°C±1°C

④ Within 40×28mm, on focal position and environment temperature at 20°C±1°C

⑤ Within 180×180mm, on focal position, environment temperature at 20°C±1°C, and workpiece is less than 2kg, L is the travel of stage

⑥ Within 117×117mm, on focal position, environment temperature at 20°C±1°C, and workpiece is less than 2kg, L is the travel of stage

⑦ Within 270×180mm, on focal position, environment temperature at 20°C±1°C, and workpiece is less than 2kg, L is the travel of stage

⑧ Within 207×117mm, on focal position, environment temperature at 20°C±1°C, and workpiece is less than 2kg, L is the travel of stage

⑨ Within 270×189mm, on focal position, environment temperature at 20°C±1°C, and workpiece is less than 2kg, L is the travel of stage

⑩ Within 180×121mm, on focal position, environment temperature at 20°C±1°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 200+workpieces
- QMS-A220 and QMS-A315 are suitable for small and medium-size parts with high precision requirements
- QMS-A320 is suitable for medium-size parts with low accuracy requirements and fast efficiency requirements



11.6" LCD(optional)

### STANDARD DELIVERY

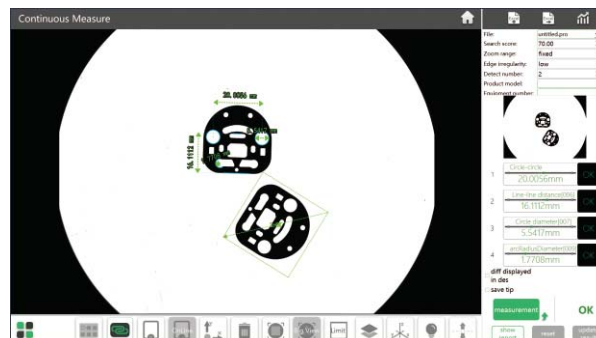
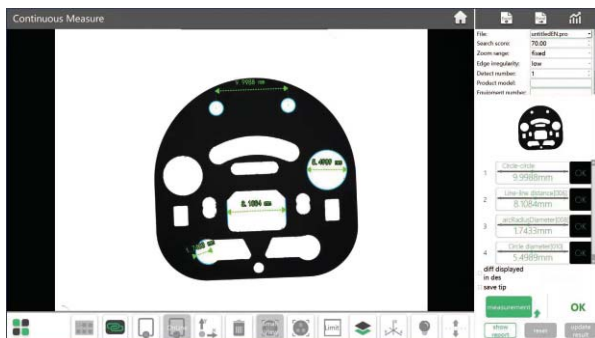
Main unit	1 pc
Computer	1 pc
Software	1 pc

### OPTIONAL ACCESSORY

Coaxial light illumination	QMS-23-A3 (for QMS-A220, QMS-A315) QMS-23-A4 (for QMS-A320)
Data transmission function of software	QMS-23-D1
CAD import function of software	QMS-23-C1
Laser sensor	QMS-43-SJ1 (for QMS-A315)
Foot-switch	QMS-43-FS1
11.6" LCD	QMS-23-B1(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

