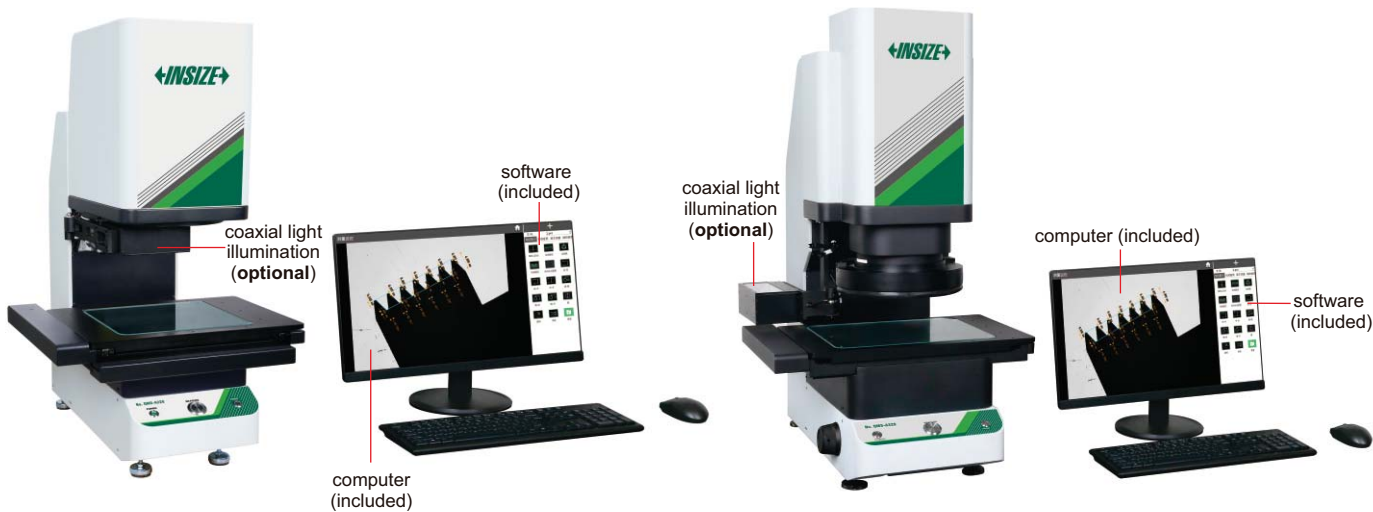


QUICK MEASUREMENT SYSTEMS (WITH STITCHING)

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



QMS-A220-U

QMS-A320-U

SPECIFICATION

Part No.		QMS-A220-U		QMS-A315-U		QMS-A320-U	
Optical lens		Dual-field dual-telecentric low-distortion lens					
		wide view field: 3.94" DIA small view field: .98" DIA		wide view field: 3.94" DIA small view field: .98" DIA		wide view field: 5.91" DIA small view field: 1.97" DIA	
View field range		wide view field	small view field	wide view field	small view field	wide view field	small view field
		3.66×2.44"	.78×.63"	3.94×3.15"	.98×.79"	5.91×4.33"	1.97×1.38"
Measurement range		7.87×7.87"	5.12×5.12"	11.81×7.87"	9.06×5.12"	11.81×8.27"	7.87×5.31"
Measurement accuracy	without splicing	±.00012"①	±.00004"②	±.00012"①	±.00004"②	±.0002"③	±.00008"④
	with splicing	±(200+20L)μin⑤	±(120+20L)μin⑥	±(200+20L)μin⑦	±(120+20L)μin⑧	±(280+20L)μin⑨	±(160+20L)μin⑩
Repeatability	without splicing	±.00004"	±.00002"	±.00004"	±.00002"	±.00004"	±.00002"
	with splicing	±.00008"	±.00006"	±.00008"	±.00006"	±.00008"	±.00006"
Max. weight of workpiece		11lb					
Measurement time		<2s					
Measurement data		2D measurement					
Power supply		110V, 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: 68°F±3.6°F, relative humidity: 30%~80%, vibration: <.00007oz, less than 15Hz					
Dimension (L×W×H)		20.94×18.90×30.16"		20.94×19.57×30.16"		26.34×20.08×34.76"	
Weight		110lb		132lb		149lb	

* The optimum temperature is 68°F±1.8°F

① Within 3.15×2.52", on focal position and environment temperature at 68°F±1.8°F

② Within .79×.63", on focal position and environment temperature at 68°F±1.8°F

③ Within 4.72×3.46", on focal position and environment temperature at 68°F±1.8°F

④ Within 1.57×1.10", on focal position and environment temperature at 68°F±1.8°F

⑤ Within 7.09×7.09", on focal position, environment temperature at 68°F±1.8°F, and workpiece is less than 4lb, L is the travel of stage in inch

⑥ Within 4.61×4.61", on focal position, environment temperature at 68°F±1.8°F, and workpiece is less than 4lb, L is the travel of stage in inch

⑦ Within 10.63×7.09", on focal position, environment temperature at 68°F±1.8°F, and workpiece is less than 4lb, L is the travel of stage in inch

⑧ Within 8.15×4.61", on focal position, environment temperature at 68°F±1.8°F, and workpiece is less than 4lb, L is the travel of stage in inch

⑨ Within 10.63×7.44", on focal position, environment temperature at 68°F±1.8°F, and workpiece is less than 4lb, L is the travel of stage in inch

⑩ Within 7.09×4.76", on focal position, environment temperature at 68°F±1.8°F, and workpiece is less than 4lb, L is the travel of stage in inch

- 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-U and QMS-A315-U are suitable for small and medium-size parts with high precision requirements
- QMS-A320-U is suitable for medium-size parts with low accuracy requirements and fast efficiency requirements

STANDARD DELIVERY

Main unit	1 pc
Computer	1 pc
Software	1 pc



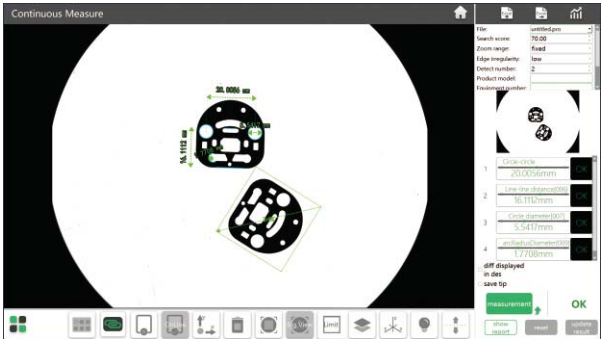
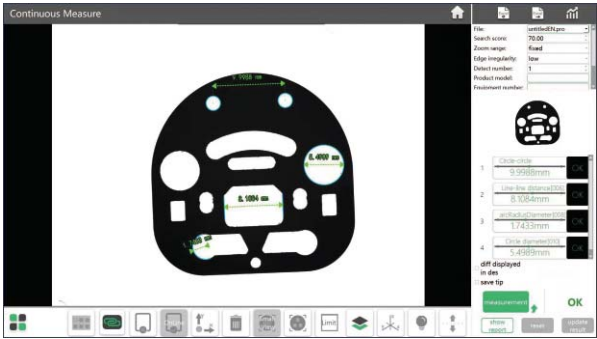
11.6" LCD(optional)

OPTIONAL ACCESSORY

Coaxial light illumination	QMS-23-A3 (for QMS-A220-U, QMS-A315-U) QMS-23-A4 (for QMS-A320-U)
Data transimission function of software	QMS-23-D1
CAD import function of software	QMS-23-C1
Laser sensor	QMS-43-SJ1 (for QMS-A315-U)
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.

