

HIGH PRECISION QUICK MEASUREMENT SYSTEM **CODE QMS-H210**

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





SPECIFICATION

| 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 | ±2µm ^① | ±0.7µm② | |
| | with stitching | ±(4+0.02L)µm ^③ | ±(2.7+0.02L)µm ^④ | |
| Repeatability | without stitching | ±1µm | ±0.25µm | |
| | with stitching | ±2µm | ±1.25µm | |
| 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 (eletric) vertical illuminator, circular (directional) green light (eletric) | | |
| | coaxial light | vertical illuminator, white light | | |
| Max. weight of workpiece | | 5kg | | |
| 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, 600W | | |
| Dimension (L×W×H) | | 460×515×740mm | | |
| Weight | | 45kg | | |
| | | | | |

^{*}The optimum temperature is 20°C±1°C

- ① Within 20×20mm, on focal position and environment temperature at 20°C±1°C
- ② Within 8×5mm, on focal position and environment temperature at 20°C±1°C
- ③ Within 189×117mm, on focal position and environment temperature at 20°C±1°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°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 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 |







11.6" LCD (optional)

OPTIONAL ACCESSORY

| CAD import function of software | 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) |
| MES transmission function | QMS-23-E1 |
| Rotary table | QMS-43-RT1 (must be installed in factory) |
| Glass calibration plate | QMS-CALIBRATION |

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



