

MIDLAND METROLOGY LTD

VMQ-100

Instant Video Measuring System



Product Advantage

1. One-key Instant Measuring, Batch Testing

- A) Measuring Sample can be placed randomly without fixture positioning. Software can identify and match automatically.
- B) Unlimited dimension measurement. Task can be completed within 1 second.
- C) CAD drawing imported for direct measurement.
- D) One time measurement for the same types of measuring sample.

2. Accurate Calculation and High Repeatability

- A) Unique patent technology with edge extraction and lens distortion correction.
- B) Greatly improved repeatability.
- C) Can be compared with the measurement accuracy and repeatability of traditional Video Measuring Machine.

3. Easy to operate without training

- A) Anyone can get started quickly without training.
- B) Simple interface, intelligent measurement. Optimized operation process and real time operation.
- C) All measurement data can be automatically recorded. Statistical analysis can be generated with one key. Measurement results can be printed in various file formats or directly printed.

4. Various function, automatic report

- A) The software is divided into three functional models: measurement setting, continuous measurement and statistical analysis.

Specification

| | |
|-----------------------------|---|
| Instrument Dimensions | 480×240×680 |
| Instrument Weight | 30KG |
| Working Stage Capacity | 3KG |
| Software | Fom2d |
| Camera | 5 millions Pixels CCD Industrial Camera |
| Lens | Double Telecentric Lens |
| Illumination | Program controlled parallel light or telecentric parallel light, each section of brightness is controlled independently |
| Field of view | 30mm~100mm |
| Focus | Manual |
| Measuring Accuracy | ±3 μm |
| Measuring Function | Point, line, circle, multipoint line, multipoint circle, automatic circle, arc, multisection circle, automatic R angle, contour scanning, fixed point, peak line, circle, etc |
| Tagging Function | Aligned, vertical, angular, radius / diameter |
| Geometrical Tolerance | Straightness, roundness, symmetry, profile, etc |
| Virtual Structure | Center line, bisector, tangent point, tangent point of circle line, circle center, line center, etc |
| Automatic Template Matching | Support |
| Report Function | SPC analysis report (CPK, CA , PPK, CP, PP) |
| Software Customization | CAD import profile analysis, automatic management link, APP management application |
| Measuring Quantity | 99 pieces/second |
| Template quantity | Unlimited |
| Power | AC100-240V 50/60Hz |
| Working Environment | Temperature 23 C ± 2 C humidity 20% to 80% RH |

Packing List

| Packing List | Packing List | Packing List |
|-------------------|-----------------------|----------------------------------|
| Machine Mainframe | Dell 24 inch Computer | Mikrosiz Measuring Software |
| Telecentric Lens | High Pixel Camera | Surface Lighting |
| Calibration Block | Power Line | Product Certificate/Packing List |

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