

LARGE SIZE QUICK MEASUREMENT SYSTEM CODE QMS-A450





SPECIFICATION

17

| Optical lens | | dual-field dual-telecentric low-distortion lens | | |
|---------------------------|--------------------------|---|-------------------|--|
| Measurement range | | wide view field | small view field | |
| measurement re | | 500×400mm | 430×350mm | |
| Measurement * | without stitching | ±3µm ^① | ±1µm ^② | |
| Accuracy | with stitching | ±(5+0.02L)μm ^③ | ±(3+0.02L)µm④ | |
| Repeatability | without stitching | ±1µm | ±0.5µm | |
| Repeatability | with stitching | ±2µm | ±1.5µm | |
| Travel range (X | ×Y×Z) | 410×340×250mm | | |
| Magnification | | 3.6X | 14.2X | |
| | transmission light | telecentric illuminator, green light | | |
| Illumination system | 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 (optional) | vertical illuminator, white light | | |
| Glass stage siz | e | 520×420mm | | |
| Max. weight of | workpiece | 25kg | | |
| Measurement ti | ime | <2s | | |
| Measurement d | lata | 2D measurement | | |
| Environmental requirement | | temperature: 20°C±2°C, relative humidity: 30%~80%, vibration: <0.002g, less than 15Hz | | |
| Power supply | | 220V, 50Hz, 1200W | | |
| Dimension (L×W×H) | | 1060×824×1818mm | | |
| Weight | | 800kg | | |

* The optimum temperature is 20°C±1°C

Within 73×49mm, on focal position and environment temperature at 20°C±1°C
 Within 16×12mm, on focal position and environment temperature at 20°C±1°C
 Within 450×360mm, on focal position and environment temperature at 20°C±1°C

(4) Within 387×315mm, on focal position and environment temperature at 20°C±1°C

- One or more workpieces can be measured by one step operation
- Place workpieces at any position
 Focus and measure automatically

STANDARD DELIVERY

| Main unit | 1 pc |
|-----------|------|
| Computer | 1 pc |
| Software | 1 pc |

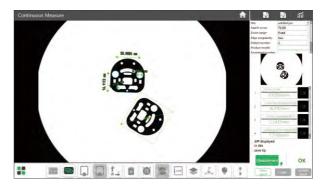
OPTIONAL ACCESSORY

| Coaxial light illumination | QMS-43-A1 |
|---|------------|
| Data transimission function of software | QMS-23-D1 |
| CAD import function of software | QMS-23-C1 |
| Laser sensor | QMS-43-SJ1 |
| Foot-switch | QMS-43-FS1 |

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.



-INSIZE-

QUICK MEASUREMENT SYSTEMS (WITHOUT STITCHING)





SPECIFICATION

17

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| Code | | QMS-A110 | 10 QMS-A200 | | |
|-----------------------------------|--------------------------|--|---|-------------------|--|
| Optical lens | | low-distortion lens, single-field telecentric Ø100mm | dual-field dual-telecentric low-distortion lens wide view field: Ø150mm small view field: Ø50mm | | |
| View field ran | ne | 100×80mm | wide view field | small view field | |
| view liela rali | 96 | | 150×110mm | 50×35mm | |
| Measurement | range (X×Y) | 98×78mm | 148×108mm | 48×33mm | |
| Measurement | accuracy* | ±3µm ① | ±5µm② | ±2µm ^③ | |
| Repeatability | | ±1µm | ±1µm | ±0.5µm | |
| Magnification | | 3.5X | 1.9X | 5.75X | |
| Z axis travel range | | 75mm | 75mm | | |
| Glass stage size | | 150×150mm | 175×175mm | | |
| Max. weight of workpiece | | 5kg | | | |
| Measurement time | | <2s | | | |
| Measurement | data | 2D measurement | | | |
| Power supply | , | 220V, 50Hz, 600W | | | |
| | back light | telecentric illuminator, green light | | | |
| Illumination system ring light | | 4-zone circular white high light circular (directional) low-angle green light (eletric) | | | |
| | coaxial light (optional) | vertical illuminator, white light | | | |
| Environmenta | al requirement | temperature: 20°C±2°C, relative humidity: 30%~80%, vibration: <0.002g, less than 15Hz | | | |
| Dimension (L | ×W×H) | 560×234×685mm | 638×336×885mm | | |
| Weight | | 45kg | 60kg | | |

* The optimum temperature is 20°C±1°C

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

Within 120×88mm, on focal position and environment temperature at 20°C±1°C
 Within 40×28mm, on focal position and environment temperature at 20°C±1°C

- One or more workpieces can be measured by one step operation
- Place workpieces at any position
- Focus and measure automatically

STANDARD DELIVERY

| Main unit | 1 pc |
|-----------|------|
| Computer | 1 pc |
| Software | 1 pc |

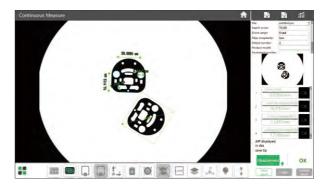
OPTIONAL ACCESSORY

| Coaxial light illumination | QMS-23-A3 (for QMS-A110) | |
|---|--------------------------|--|
| | QMS-23-A4 (for QMS-A200) | |
| Data transimission function of software | QMS-23-D1 | |
| CAD import function of software | QMS-23-C1 | |
| Foot-switch | QMS-43-FS1 | |

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.



17

-INSIZE-

QUICK MEASUREMENT SYSTEMS (WITH STITCHING)





QMS-A220

QMS-A320

SPECIFICATION

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| 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 rang | or | wide view field | small view field | wide view field | small view field | wide view field | small view field |
| | Je | 93×62mm | 30×20mm | 100×80mm | 25×20mm | 150×110mm | 50×35mm |
| Measurement | range | 200×200mm | 130×130mm | 300×200mm | 230×130mm | 300×210mm | 200×135mm |
| Measurement | without stitching | ±3µm① | ±1µm② | ±3µm① | ±1µm② | ±5µm③ | ±2µm ^④ |
| accuracy * | with stitching | ±(5+0.02L)µm⑤ | ±(3+0.02L)µm⑥ | ±(5+0.02L)µm⑦ | ±(3+0.02L)µm® | ±(7+0.02L)µm ⁽⁹⁾ | ±(4+0.02L)µm [®] |
| Repeatability | without stitching | ±1µm | ±0.5µm | ±1µm | ±0.5µm | ±1µm | ±0.5µm |
| Кереацарниз | with stitching | ±2µm | ±1.5µm | ±2µm | ±1.5µm | ±2µm | ±1.5µm |
| Magnification | | 2.8X | 11X | 1.9X | 5.75X | 1.9X | 5.75X |
| Travel range (2 | Κ×Y×Z) | 120×140×75mm | | 205×125×75mm | | 150×100×75mm | |
| Glass stage size | | 249×229mm | | 318×268mm | | 318×268mm | |
| Max. weight of workpiece | | 5kg | | | | | |
| Measurement | time | <2s | | | | | |
| Measurement data | | 2D measurement | | | | | |
| Power supply | | 220V, 50Hz, 600W | | | | | |
| | back light | telecentric illuminator, green light | | | | | |
| Illumination ring light system | | 4-zone circular white high light circular (directional) low-angle green light (eletric) | | | | | |
| • | coaxial light (optional) | vertical illuminator, white light | | | | | |
| Environmenta | 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 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

(4) Within 40×28mm, on focal position and environment temperature at 20°C±1°C, and workpiece is less than 2kg, L is the travel of stage (5) 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 270×180mm, on focal position, environment temperature at 20°C±1°C, and workpiece is less than 2kg, L is the travel of stage (9) Within 270×180mm, 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 (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 (9) 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 (9) 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

STANDARD DELIVERY

| Main unit | 1 pc |
|-----------|------|
| Computer | 1 pc |
| Software | 1 pc |

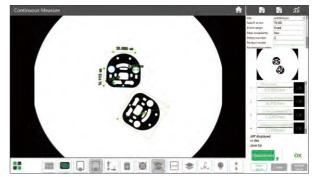
OPTIONAL ACCESSORY

| Coaxial light illumination | QMS-23-A3 (for QMS-A220C, QMS-A315C) | |
|---|--------------------------------------|--|
| | QMS-23-A4 (for QMS-A320C) | |
| Data transimission function of software | QMS-23-D1 | |
| CAD import function of software | QMS-23-C1 | |
| Laser sensor | QMS-43-SJ1 (for QMS-A315C) | |
| Foot-switch | QMS-43-FS1 | |

Software (included)

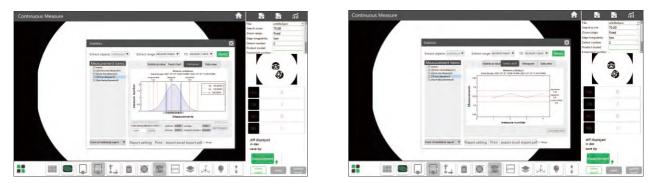
Automatically measure widths, holes, rings, angles at the same time, simple and efficient.





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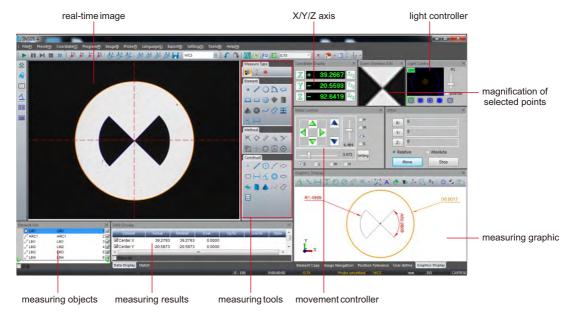
Measuring result can be stored automatically. OK items and NG items can be counted automatically.



SOFTWARE (INCLUDED)

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Refer to page 409~410 for details



CNC VISION MEASURING SYSTEMS MOTORIZED ZOOM LENS IS OPTIONAL PECTION RTIEICATE SIL lens with built-in coaxial light (included) computer is included programmable Automatic edge-detection, focus, segmented ring Servo motors for X, Y, Z axis light (included) SPC function for large quantity measurement Measuring software is included (page 395~396) controller ISD-V220CNCA

STANDARD DELIVERY

| Main unit | 1 pc |
|-------------------------|------|
| Software | 1 pc |
| Computer | 1 pc |
| 24" Display | 1 pc |
| Len with coaxial light | 1 pc |
| Controller | 1 pc |
| Calibration glass chart | 1 pc |
| Laser positioner | 1 pc |
| Clay | 1 pc |
| Anti-dust cover | 1 pc |



probe (**optional**), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

To be continued



SPECIFICATION

| Code | | ISD-V220CNCA | ISD-V270CNCA | ISD-V370CNCA | | |
|-------------------------|------------------|--|-------------------------------|---|--|--|
| Measuring range (X×Y×Z) | | 220×120×150mm | 270×170×150mm | 370×270×150mm | | |
| Stage size | | 450×280mm | 500×330mm | 606×466mm | | |
| Glass stage size | : | 306×196mm | 350×250mm | 450×350mm | | |
| Resolution of X/ | Y/Z axis | 0.5µm | | | | |
| Accuracy of X/Y | axis | ≤(2.5+L/100)µm (L is the measuring leng | th in mm) | ≤(3.5+L/100)µm (L is the measuring length in mm) | | |
| Repeatability of | X/Y axis | 2µm | | | | |
| Objective | | 0.7X~4.5X (zoom) | | | | |
| Working distanc | e | 92mm | 92mm | | | |
| Magnification | Magnification | | 33.0X~208.6X (on 24" monitor) | | | |
| Camera | | Giga-bit network camera | Giga-bit network camera | | | |
| Illumination | surface | coaxial light, programmable segmented ring light | | | | |
| | contour | adjustable LED light | adjustable LED light | | | |
| View field (diago | onal length) | 1.5~10.8mm | 1.5~10.8mm | | | |
| Max. height of w | orkpiece | 150mm | 150mm | | | |
| Max. weight of w | /orkpiece | 30kg | 30kg | | | |
| Operation system | Operation system | | Windows 7/8/10 | | | |
| Drive method | | automatic | automatic | | | |
| Power supply | | 220V, 50/60Hz | 220V, 50/60Hz | | | |
| Dimension (L×W×H) | | 760×600×900mm | 760×600×900mm | 970×670×940mm | | |
| Weight | | | 168kg | 266kg | | |

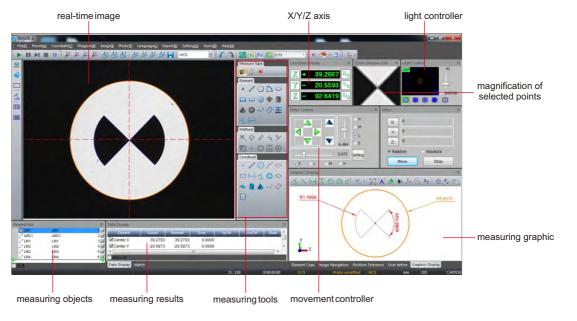
OPTIONAL ACCESSORY

| 0.5X auxiliary objective | Code: ISD-V-OB05X Working distance: 175mm Magnification: 16.5~104.3X (on 24" monitor) |
|-----------------------------|--|
| 2X auxiliary objective | Code: ISD-V-OB2X Working distance: 36mm Magnification: 66~417.2X (on 24" monitor) |
| Probe | Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Office software | Code: 7313-OFFICE |
| Desk | Code: ISD-V-DESK |



SOFTWARE (INCLUDED)

Refer to page 409~410 for details



CNC VISION MEASURING SYSTEMS

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- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
 Servo motors for X, Y, Z axis
 SPC function for large quantity measurement

| Code | | ISD-V500N | ISD-V500HN | | |
|-------------------------|------------|-----------------------------------|--|--|--|
| Measuring range (X×Y×Z) | | 470×370×200mm | 470×370×400mm | | |
| Stage size | | 786×636mm | 786×636mm | | |
| Glass stage size | | 570×470mm | 570×470mm | | |
| Resolution of X/Y/ | Z axis | 0.5µm | | | |
| Accuracy of X/Y as | xis | ≤(2.5+L/200)µm (L is measuring le | ngth in mm) | | |
| Repeatability of X/ | 'Y axis | 2µm | | | |
| Objective | | 0.7X~4.5X (zoom) | 0.7X~4.5X (zoom) | | |
| Working distance | | 92mm | 92mm | | |
| View field (diagona | al length) | 1.7~11.1mm | 1.7~11.1mm | | |
| Magnification | | 20X~128X (on 19.5" monitor) | 20X~128X (on 19.5" monitor) | | |
| Camera | | 1/2" color CCD, 0.4M pixel | | | |
| Illumination | surface | coaxial light, programmable segme | coaxial light, programmable segmented ring light | | |
| mummation | contour | adjustable LED light | | | |
| Max. height of wor | rkpieces | 200mm | 400mm | | |
| Max. weight of wo | rkpieces | 30kg | 30kg | | |
| Operation system | | Windows 7/10 | Windows 7/10 | | |
| Drive method | | automatic | automatic | | |
| Power supply | | 220V, 50/60Hz | 220V, 50/60Hz | | |
| Dimension (L×W×H) | | 1270×1200×1870mm | 1270×1200×2070mm | | |
| Weight | | 870kg | 900kg | | |

STANDARD DELIVERY

| Main unit | 1 pc |
|-------------------------|------|
| Video card with dongle | 1 pc |
| Software disc | 1 pc |
| Lens with coaxial light | 1 pc |
| Controller | 1 pc |
| Computer | 1 pc |
| Calibration glass chart | 1 pc |
| Laser positioner | 1 pc |
| Clay | 1 pc |
| Anti-dust cover | 1 pc |





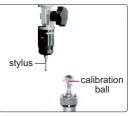


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programmable segmented ring light (included)

OPTIONAL ACCESSORY

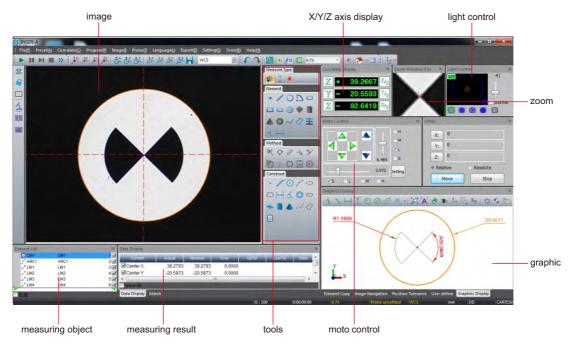
| 0.5X auxiliary objective | Code: ISD-V-OB05X Working distance: 175mm Magnification: 10~64X (on 19.5" monitor) | | |
|-----------------------------------|---|--|--|
| 2X auxiliary objective | Code: ISD-V-OB2X Working distance: 36mm Magnification: 40~256X (on 19.5'' monitor) | | |
| Probe | Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball | | |
| Office software Code: 7313-OFFICE | | | |



probe (**optional**), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm

SOFTWARE (INCLUDED)

Refer to page 409~410 for details







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lens with coaxial light (included)



programmable segmented ring light (included)



probe (**optional**), includes Ø2mm and Ø3mm styli, Ø25mm calibration ball, measuring accuracy is 10µm





- Automatic edge-detection, focus, measuring, contour scanning, calibration, etc.
 Servo motors for X, Y, Z axis
- SPC function for large quantity measurement

STANDARD DELIVERY

| Main unit | 1 pc |
|-------------------------|------|
| Video card with dongle | 1 pc |
| Software disc | 1 pc |
| Computer | 1 pc |
| 19.5" display | 1 pc |
| Lens with coaxial light | 1 pc |
| Controller | 1 pc |
| Calibration glass chart | 1 pc |
| Laser positioner | 1 pc |
| Clay | 1 pc |
| Anti-dust cover | 1 pc |

To be continued

VMM-L1200CN



SPECIFICATION

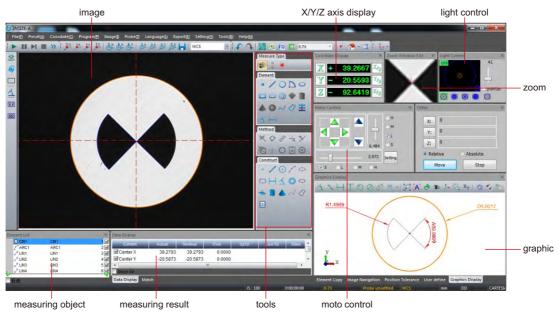
| Code | • | VMM-L600CN | VMM-L601CN | VMM-L800CN | VMM-L1000CN | VMM-L1200CN |
|--|--|--|------------------|------------------|------------------|------------------|
| Measuring ran | ae (X×Y×Z) | 600×600×150mm | 600×900×150mm | 800×1000×200mm | 1000×1200×200mm | 1200×1500×200mm |
| Glass stage size | | 640×770mm | 640×1070mm | 1208×885mm | 1408×1085mm | 1708×1285mm |
| Resolution of | X/Y/Z axis | 0.5µm | | <u></u> | | <u>I</u> |
| Accuracy of X/Y axis ≤(3.5+L/200)µm (L is measuring length in mm) | | | | | | |
| Repeatability of | of X/Y axis | 2µm | | | | |
| Objective | | 0.7X~4.5X (zoom) | | | | |
| Working dista | nce | 92mm | | | | |
| View field (diagonal leng | ew field iagonal length) 1.7~11.1mm | | | | | |
| Magnification 20X~128X (on 19.5" monitor) | | | | | | |
| Camera | | 1/2" color CCD, 0.3M pixel | | | | |
| Illumination surface | | coaxial light, programmable segmented ring light | | | | |
| | contour | adjustable LED light | | | | |
| Max. height of | workpiece | 150mm 200mm | | | | |
| Max. weight of | Max. weight of workpiece 30kg | | | | | |
| Operation syst | Operation system Windows 7/8/10 | | | | | |
| Drive method | Drive method automatic | | | | | |
| Guide rail linear guider | | | | | | |
| Power supply 100~240V, 50/60Hz | | | | | | |
| Operation environment temperature: 20±2°C, temperature variation: <1°C/h, <2°C/24h, <1°C/m; humidity: 55%~65% | | | % | | | |
| Dimension (L×W×H) | | 1500x1300x1510mm | 1800x1300x1510mm | 2170x2380x1560mm | 2370x2580x1560mm | 2570x2880x1560mm |
| Weight | | 1281kg | 1500kg | 3260kg | 3750kg | 4520kg |

OPTIONAL ACCESSORY

| 0.5X auxiliary objective | Code: ISD-V-OB05X Working distance: 175mm Magnification: 10~64X (on 19.5" monitor) |
|-----------------------------|---|
| 2X auxiliary objective | Code: ISD-V-OB2X Working distance: 36mm Magnification: 40~256X (on 19.5" monitor) |
| Probe | Code: ISD-V-PROBE Includes Ø2mm and Ø3mm styli, Ø25mm calibration ball |
| Office software | Code: 7313-OFFICE |

SOFTWARE (INCLUDED)

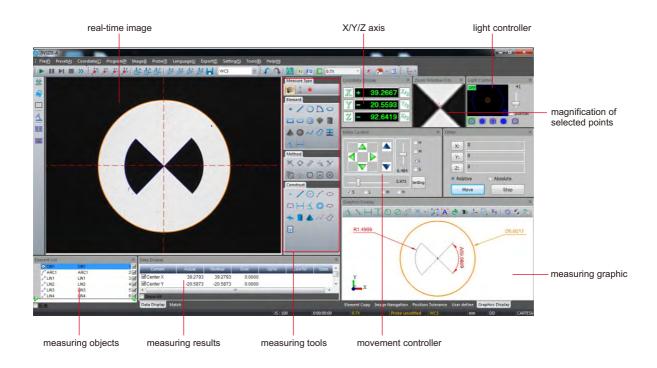
Refer to page 409~410 for details



VISION MEASURING SOFTWARE

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SOFTWARE FOR VISION MEASURING SYSTEMS ISD-V SERIES, ISD-H SERIES, ISD-VMM SERIES AND VMM-L SERIES

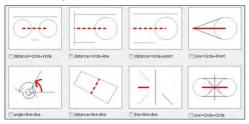


- Operation system: Windows 7/10
- Language: English

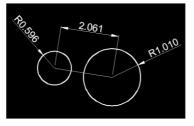
- Control features: assistant focus (manual machines), auto focus (CNC machines), auxiliary light control, motion controlled by mouse (CNC machines), auto zoom lens (CNC machines)
- Image measuring methods: intelligent automatic edge detect, select points of an area, select points from multiple parts, select points via mouse, select adjacent points, select points via cross line, magnify to select points, comparatively select points, select points via probe, edge point, contour point
- Constructable elements: point, line, circle, arc, ellipse, rectangle, distance, angle, ring, slot, plane, cone, open curve, closed curve
- Support fixture (CNC machines), scanning, image navigation, user define, pixel calibration
- Measuring by image and probe, image and probe can be synchronized
- Measuring data can export to Excel, Word, SPC, measuring elements can export to dxf

| Dimension measuring tools: | | | | | | |
|---------------------------------------|------------------|---------------|------------|---------------------|---------------|--------------------|
| • point | line | circle | arc | o ring | ellipse | rectangle |
| open curve | closed curve | distance | angle | focus plane (image) | slot | plane(probe) |
| sphere (probe) |) 💧 cone (probe) | cylinder (pro | be) | | | |
| Geometric measure | ring tools: | | | | | |
| position | parallelism | squareness | angularity | symmetry | concentricity | coaxiality (probe) |
| | | | | | | To be continued |

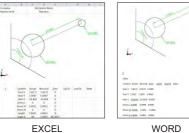
Measuring and element construct methods:



Export to CAD, EXCEL, WORD

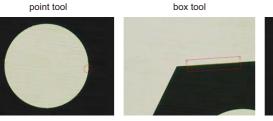


CAD

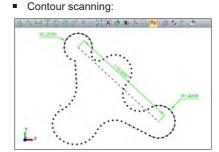


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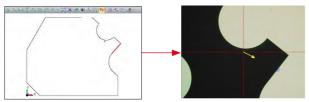
Edge-detection:



circle tool



CAD measuring:

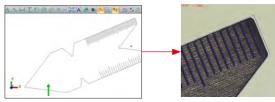


import CAD drawing, set the datum, establish coordinate system, then the software will automatically measure

Profile scanning:

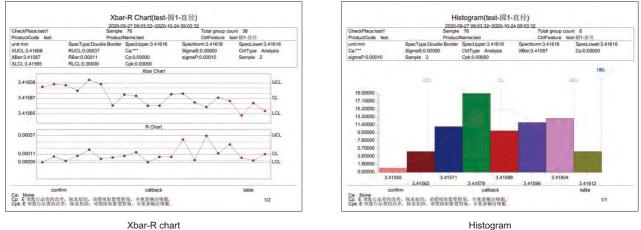


CAD comparison:



import CAD drawing, set the datum, then compare real-time image with CAD drawing

• SPC analysis, import the measuring data to SPC module, generate Xbar-R chart, Xbar-S chart, Mid-R chart, X-Rs chart, Histogram, Sigma A and Sigma S chart, Cpk process chart, Process state analyse chart, Single proscess advice analyse chart



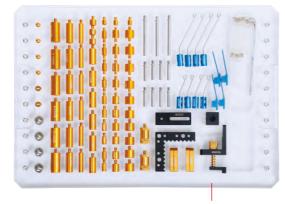
Xbar-R chart

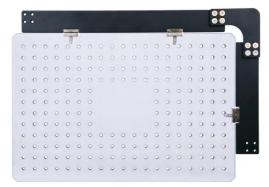




JIG SET FOR VISION MEASURING SYSTEM CODE ISY-700



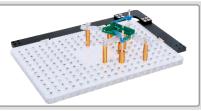




acrylic tray (included)

ISY-700

application example



| Product | Code | Size (mm) | Quantity |
|-------------------------------|---------------|-----------|----------|
| clip | ISY-700-90001 | 7×34 | 4 |
| clip | ISY-700-90002 | Ø1.5×24 | 4 |
| | ISY-700-90003 | Ø1.5×50 | 4 |
| clip stand | ISY-700-90004 | Ø4×20 | 8 |
| | ISY-700-90005 | Ø4×46 | 3 |
| spherical support head | ISY-700-90006 | _ | 4 |
| stand | ISY-700-90007 | Ø6×10 | 6 |
| 20000 | ISY-700-90008 | Ø6×25 | 6 |
| | ISY-700-90019 | Ø6×6 | 3 |
| stand | ISY-700-90009 | Ø9×7 | 3 |
| | ISY-700-90010 | Ø9×10 | 6 |
| 90012 | ISY-700-90011 | Ø9×20 | 6 |
| | ISY-700-90012 | Ø9×25 | 6 |
| stand | ISY-700-90013 | Ø12×10 | 6 |
| - Poterer | ISY-700-90014 | Ø12×25 | 6 |
| stand for slice | ISY-700-90015 | Ø6×10 | 4 |
| parts | ISY-700-90016 | Ø9×10 | 4 |
| • | ISY-700-90017 | Ø12×10 | 4 |
| stand with fine adjustment | ISY-700-90018 | Ø12×20~25 | 2 |

| Product | Code | Size (mm) | Quantity |
|----------------------------------|---------------|------------|----------|
| adapter for square support | ISY-700-90020 | _ | 2 |
| clamping screw | ISY-700-90021 | - | 4 |
| L-shaped positioning plate | ISY-700-90022 | 50×50×6 | 1 |
| sliding support plate | ISY-700-90023 | 30×12×5 | 4 |
| square support | ISY-700-90024 | 20×16×16 | 1 |
| base for square support | ISY-700-90025 | 45×16×6 | 1 |
| spring stand | ISY-700-90026 | _ | 1 |
| acrylic sliding support plate | ISY-700-90028 | 45×12×5 | 8 |
| wrench | ISY-700-90029 | М3 | 1 |
| acrylic base plate | ISY-700-90030 | 300×200×12 | 1 |