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Styli For CMM
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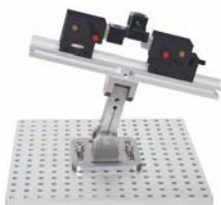
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Can be used in shop floor, with the following features:

- Temperature compensation system, suitable for wide temperature range
- Water and oil resistance
- Compact design, small size
- Three sides open, easy to load and unload workpieces
- Without compress air
- Easy installation

ATTENTION: ROTATION OF PROBE HEAD IS MANUAL

ATTENTION: MEASUREMENT ON THE LEFT SIDE OF WORKPIECES IS LIMITED

MINI CNC CMM (SHOP FLOOR TYPE) CODE CMM-MN432



CMM-MN432

FEATURES

- Integrated control system, safe, reliable and easy to operate
- High precision linear guide rail and ball screw for three axes
- 4 temperature sensors for X, Y, Z three axes and workpiece, suitable for wide temperature range

CONTROL SYSTEM

- Double computer control systems
- Driven by DC servo motor
- The control system supports communication with machine tools
- The control system has 12 buttons for customize

NET-DMIS SOFTWARE

- Can measure point, straight line, curve, circle, ellipse, plane, groove, cylinder, sphere, cone, ring, edge point, corner point, polygon, straightness, flatness, circularity, cylindricity, profile of a line, profile of a surface, perpendicularity, parallelism, angularity, coaxiality, concentricity, symmetry, position, composite position, circular runout and total runout
- Modular software structure, can support: temperature compensation, turning table, I/O interface
- Can program in offline mode and do virtual measurement based on CAD model, can extract the element features of CAD for programming
- Support dynamic point measurement and import DMO theoretical point coordinates for vector point measurement
- Can import and convert CAD model (SAT, IGES, STEP)
- Can select multi language, metric and inch, polar and straight coordinate system
- Have multiple export ways: export measured data (SAT, IGES, STEP), report windows (PDF, HTML, MHT, RTF, EXCEL, CSV, txt, images, WORD, etc.), custom EXCEL template
- Support uploading the measuring result to server

To be continued

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SPECIFICATION

| | |
|--|---|
| Code | CMM-MN432 |
| Measuring range (X×Y×Z) | 400×200×300mm |
| Resolution | 0.1μm |
| Repeatability | 1μm |
| Accuracy (L is measuring range in mm) | ±(4.5+L/200)μm (15°C~30°C, variation≤2°C/h) ±(5.5+L/200)μm (10°C~15°C, 30°C~40°C, variation≤2°C/h) |
| Probe error | ±5μm |
| Temperature | 10°C~40°C, variation≤2°C/h |
| Humidity | 40~60% |
| Power | 220V±10%, 50Hz |
| Max. load | 50kg |
| Dimension (L×W×H) | 1270×1110×1630mm |
| Weight | 280kg |

STANDARD DELIVERY

| | | |
|---------------------------------|----------------------|-------|
| Main unit | | 1 pc |
| Probe system | probe head * | 1 pc |
| | probe * | 1 pc |
| | styli ** | 1 set |
| Calibration system | datum sphere (Ø25mm) | 1 pc |
| | pivot pillar | 1 pc |
| Computer system | computer | 1 pc |
| | printer | 1 pc |
| Temperature compensation system | | 1 pc |
| Software | | 1 pc |

* The probe head and probe are Renishaw brand

** The styli system includes styli and extensions

PROBE (included) SPECIFICATION

| | | |
|------------|---------------------------------------|--------------------|
| Probe head | angular movement with horizontal axis | 0°~90° in 15 steps |
| | angular movement with vertical axis | ±180° in 15 steps |
| | control mode | manual |
| | number of positions | 168 |
| | probe mounting | M8 |
| Probe | weight | 210g |
| | detect direction | ±X, ±Y, +Z |
| | styli mounting | M2 |
| | rating life | >1000,000 times |
| | weight | 22g |

EXTENSION (included) SPECIFICATION

| Code | Material | Stem diameter | Length | Quantity |
|------|-----------------|---------------|--------|----------|
| SE4 | stainless steel | Ø3mm | 10mm | 1 pc |
| SE5 | | | 20mm | 1 pc |

STYLUS (included) SPECIFICATION

| Code | Material | Ball diameter | Length | Stem diameter | Effective working length | Quantity |
|-------|-------------------------------------|---------------|--------|---------------|--------------------------|----------|
| PS2R | ruby ball / stainless steel stem | SØ2mm | 20mm | Ø1.4mm | 14mm | 1 pc |
| PS17R | | SØ4mm | | Ø1.5mm | 20mm | 1 pc |



COORDINATE MEASURING MACHINES

FEATURES

- X&Z axis beam are made of aviation aluminum
- RENISHAW steel scale
- High precision, rigid, pre-loaded air bearings on all axis

RENISHAW UCC CONTROL SYSTEM

- High speed measurement & servo control system

RATIONAL-DMIS SOFTWARE

- Unique operation interface, complete drag-and-drop operation
- Instructional programming allows users to replace text
- Intelligent recognition of the construction, calculation and output of relevant geometric elements
- Seamless link with CAD data

RENISHAW PROBE BODY

- The TP20 is a touch trigger probe
- The TP200B is a touch triggered probe of electronic strain sensing technology, with high measurement accuracy and operate life
- The SP25M is high performance scanning and touch trigger probe



CMM-ST564A

SPECIFICATION

| Code | Range (X×Y×Z) | Probe body | MPEE | MPEP | Max. dimension of workpiece | Max. weight of workpiece | Overall dimension | Weight |
|---------------|----------------|------------|------------------|------|-----------------------------|--------------------------|-------------------|--------|
| | mm | | μm | μm | mm | kg | mm | kg |
| CMM-ST454A | 400×500×400 | TP20 | ±(2.1+3.3L/1000) | ±2.2 | 525×995×600 | 500 | 1000×1240×2240 | 570 |
| CMM-ST454B | | TP200B | ±(1.8+3.3L/1000) | ±1.9 | | | | |
| CMM-ST454C | | SP25M | | | | | | |
| CMM-ST564A | 500×600×400 | TP20 | ±(2.1+3.3L/1000) | ±2.2 | 625×1095×600 | 500 | 1100×1340×2240 | 700 |
| CMM-ST564B | | TP200B | ±(1.8+3.3L/1000) | ±1.9 | | | | |
| CMM-ST564C | | SP25M | | | | | | |
| CMM-ST686A | 600×800×600 | TP20 | ±(2.2+3.3L/1000) | ±2.3 | 730×1400×800 | 700 | 1200×1650×2660 | 960 |
| CMM-ST686B | | TP200B | ±(1.9+3.3L/1000) | ±2.0 | | | | |
| CMM-ST686C | | SP25M | | | | | | |
| CMM-ST8106A | 800×1000×600 | TP20 | ±(2.2+3.3L/1000) | ±2.3 | 930×1600×800 | 1000 | 1400×1850×2660 | 1270 |
| CMM-ST8106B | | TP200B | ±(1.9+3.3L/1000) | ±2.0 | | | | |
| CMM-ST8106C | | SP25M | | | | | | |
| CMM-ST10128A | 1000×1200×800 | TP20 | ±(2.7+3.3L/1000) | ±2.7 | 1190×1814×1040 | 1800 | 1690×2370×3150 | 2460 |
| CMM-ST10128B | | TP200B | ±(2.4+3.3L/1000) | ±2.4 | | | | |
| CMM-ST10128C | | SP25M | | | | | | |
| CMM-ST10158A | 1000×1500×800 | TP20 | ±(2.7+3.3L/1000) | ±2.7 | 1190×2114×1040 | 1800 | 1690×2670×3150 | 2820 |
| CMM-ST10158B | | TP200B | ±(2.4+3.3L/1000) | ±2.4 | | | | |
| CMM-ST10158C | | SP25M | | | | | | |
| CMM-ST10208A | 1000×2000×800 | TP20 | ±(2.7+3.3L/1000) | ±2.7 | 1190×2614×1040 | 1800 | 1690×3270×3150 | 3410 |
| CMM-ST10208B | | TP200B | ±(2.4+3.3L/1000) | ±2.4 | | | | |
| CMM-ST10208C | | SP25M | | | | | | |
| CMM-ST121510A | 1200×1500×1000 | TP20 | ±(3.0+3.3L/1000) | ±3.0 | 1390×2200×1200 | 2000 | 1890×2750×3330 | 3330 |
| CMM-ST121510B | | TP200B | ±(2.7+3.3L/1000) | ±2.7 | | | | |
| CMM-ST121510C | | SP25M | | | | | | |
| CMM-ST122010A | 1200×2000×1000 | TP20 | ±(3.0+3.3L/1000) | ±3.0 | 1390×2700×1200 | 2000 | 1890×3350×3330 | 3910 |
| CMM-ST122010B | | TP200B | ±(2.7+3.3L/1000) | ±2.7 | | | | |
| CMM-ST122010C | | SP25M | | | | | | |

To be continued

Continued from previous page

SPECIFICATION

| Code | Range (X×Y×Z) | Probe body | MPEE | MPEP | Max. dimension of workpiece | Max. weight of workpiece | Overall dimension | Weight |
|---------------|----------------|------------|------------------|------|-----------------------------|--------------------------|-------------------|--------|
| | mm | | μm | μm | mm | kg | mm | kg |
| CMM-ST152010A | 1500×2000×1000 | TP20 | ±(3.3+3.3L/1000) | ±3.3 | 1690×2700×1200 | 3000 | 2190×3350×3370 | 5220 |
| CMM-ST152010B | | TP200B | ±(3.0+3.3L/1000) | ±3.0 | | | | |
| CMM-ST152010C | | SP25M | | | | | | |
| CMM-ST152510A | 1500×2500×1000 | TP20 | ±(3.3+3.3L/1000) | ±3.3 | 1690×3200×1200 | 3000 | 2190×3850×3400 | 6680 |
| CMM-ST152510B | | TP200B | ±(3.0+3.3L/1000) | ±3.0 | | | | |
| CMM-ST152510C | | SP25M | | | | | | |
| CMM-ST153010A | 1500×3000×1000 | TP20 | ±(3.5+4L/1000) | ±3.5 | 1690×3700×1200 | 3000 | 2260×3910×3420 | 8120 |
| CMM-ST153010B | | TP200B | ±(3.2+4L/1000) | ±3.2 | | | | |
| CMM-ST153010C | | SP25M | | | | | | |
| CMM-ST152512A | 1500×2500×1200 | TP20 | ±(3.5+4L/1000) | ±3.5 | 1690×3200×1400 | 3000 | 2190×3850×3870 | 6730 |
| CMM-ST152512B | | TP200B | ±(3.2+4L/1000) | ±3.2 | | | | |
| CMM-ST152512C | | SP25M | | | | | | |
| CMM-ST152515A | 1500×2500×1500 | TP20 | ±(3.8+4L/1000) | ±3.8 | 1680×3330×1700 | 3000 | 2190×3980×4500 | 6950 |
| CMM-ST152515B | | TP200B | ±(3.5+4L/1000) | ±3.5 | | | | |
| CMM-ST152515C | | SP25M | | | | | | |
| CMM-ST153015A | 1500×3000×1500 | TP20 | ±(4.0+4L/1000) | ±4.0 | 1680×3830×1700 | 3000 | 2260×4040×4520 | 8440 |
| CMM-ST153015B | | TP200B | ±(3.7+4L/1000) | ±3.7 | | | | |
| CMM-ST153015C | | SP25M | | | | | | |
| CMM-ST163515A | 1600×3500×1500 | TP20 | ±(4.0+4L/1000) | ±4.0 | 1780×4330×1700 | 3000 | 2360×4540×4520 | 9960 |
| CMM-ST163515B | | TP200B | ±(3.7+4L/1000) | ±3.7 | | | | |
| CMM-ST163515C | | SP25M | | | | | | |
| CMM-ST203015A | 2000×3000×1500 | TP20 | ±(4.5+4L/1000) | ±4.5 | 2180×3930×1700 | 6000 | 2760×4240×4520 | 11200 |
| CMM-ST203015B | | TP200B | ±(4.0+4L/1000) | ±4.0 | | | | |
| CMM-ST203015C | | SP25M | | | | | | |
| CMM-ST203018A | 2000×3000×1800 | TP20 | ±(4.5+4L/1000) | ±4.5 | 2180×3930×2000 | 6000 | 2760×4240×5120 | 11200 |
| CMM-ST203018B | | TP200B | ±(4.0+4L/1000) | ±4.0 | | | | |
| CMM-ST203018C | | SP25M | | | | | | |

STANDARD DELIVERY

| | | |
|--------------------|-----------------------|-------|
| Main unit | | 1 pc |
| Probe system | probe head (Renishaw) | 1 pc |
| | probe body (Renishaw) | 1 pc |
| | styli (Renishaw) | 1 set |
| Calibration sphere | Ø19mm | 1 pc |
| Computer | | 1 pc |
| Printer | | 1 pc |
| Software | | 1 pc |

OPERATION ENVIRONMENT

| | |
|--------------|-------------------|
| Air pressure | 0.5~1.0MPa |
| Air supply | 0.3~0.45m³/min |
| Temperature | 20±2°C |
| Humidity | 55%~65% |
| Power | 220V±10%, 50/60Hz |

STYLI INCLUDED IN SP25M

| Material | Ball diameter | Length | Quantity |
|------------------------------------|---------------|--------|----------|
| ruby ball/ stainless steel stem | SØ2mm | 21mm | 2 pcs |
| | SØ3mm | 21mm | 2 pcs |
| | SØ4mm | 21mm | 2 pcs |
| | SØ2mm | 30mm | 2 pcs |
| | SØ3mm | 40mm | 2 pcs |
| | SØ4mm | 50mm | 2 pcs |
| | SØ6mm | 75mm | 2 pcs |
| stainless steel stem | — | 20mm | 1 pc |

PROBE HEAD SPECIFICATION

| | | |
|--------------------|---------------------------------------|----------------------|
| Probe head (PH10T) | angular movement with horizontal axis | 0°~105° in 7.5 steps |
| | angular movement with vertical axis | ±180° in 7.5 steps |
| | number of positions | 720 |
| | probe mounting | M8 |
| | max. output torque | 0.45N.m |
| | max. extension length | 300mm |
| | weight | 645g |
| Probe body | detect direction | ±X, ±Y, +Z |
| | styli mounting | M2 |
| | rating life | >1000,000 times |

STYLI INCLUDED IN TP20 AND TP200B

| Material | Ball diameter | Length | Quantity |
|------------------------------------|---------------|--------|----------|
| ruby ball/ stainless steel stem | SØ1mm | 10mm | 1 pc |
| | SØ2mm | 20mm | 1 pc |
| | SØ3mm | 20mm | 1 pc |
| | SØ3mm | 30mm | 1 pc |
| | SØ4mm | 10mm | 1 pc |
| | SØ4mm | 30mm | 1 pc |
| | SØ4mm | 40mm | 1 pc |
| | SØ5mm | 20mm | 1 pc |
| stainless steel stem | SØ5mm | 50mm | 1 pc |
| | — | 10mm | 1 pc |
| | — | 20mm | 1 pc |
| | — | 30mm | 1 pc |



COORDINATE MEASURING MACHINES

FEATURES

- Classic bridge structure, integrated workbench
- High precision air bearing
- Unique Z-axis anti torque design to reduce rotation error

RENISHAW SYSTEMS

- Precision grating system, including grating and data acquisition device
- UCC control system, including control box and manual operator
- Probe system, including probe head, probe body and styli

VISUAL DMIS CNC CAD+SOFTWARE

- The software is designed and developed based on the DMIS standard, with excellent compatibility and versatility
- Geometric element measurement, evaluation of shape and position
- Bidirectional data transfer with mainstream CAD systems, complete graphical display
- Optional specialized modules, such as gear module, worm module, pipeline module, blade module, SPC data analysis module, etc.



CMM-LM564A

SPECIFICATION

| Code | Range (X×Y×Z) | Probe system | | Accuracy | | Max. weight of workpiece | Overall dimension (mm) | Weight (kg) |
|-------------|----------------|--------------|-------|--------------|-------|--------------------------|------------------------|-------------|
| | | head | body | MPEE (μm) | MPEP | | | |
| CMM-LM564A | 500×600×400mm | MH20i | TP20 | ±(2.3+L/250) | 2.4μm | 500kg | 1420×1135×2350 | 900 |
| CMM-LM564B | | PH10T | | | | | | |
| CMM-LM686A | 600×800×600mm | MH20i | TP20 | ±(2.6+L/250) | 2.7μm | 800kg | 1740×1420×2760 | 1300 |
| CMM-LM686B | | PH10T | | | | | | |
| CMM-LM686C | | PH10M | SP25M | ±(2.1+L/250) | 2.1μm | | | |
| CMM-LM8106A | 800×1000×600mm | MH20i | TP20 | ±(2.7+L/250) | 2.8μm | 1000kg | 1940×1620×2760 | 1700 |
| CMM-LM8106B | | PH10T | | | | | | |
| CMM-LM8106C | | PH10M | SP25M | ±(2.2+L/250) | 2.2μm | | | |
| CMM-LM8126A | 800×1200×600mm | MH20i | TP20 | ±(2.7+L/250) | 2.8μm | | 2140×1620×2760 | 1900 |
| CMM-LM8126B | | PH10T | | | | | | |
| CMM-LM8126C | | PH10M | SP25M | ±(2.2+L/250) | 2.2μm | | | |
| CMM-LM8156A | 800×1500×600mm | MH20i | TP20 | ±(2.7+L/250) | 2.8μm | 2440×1620×2760 | 2200 | |
| CMM-LM8156B | | PH10T | | | | | | |
| CMM-LM8156C | | PH10M | SP25M | ±(2.2+L/250) | 2.2μm | | | |

To be continued

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OPERATION ENVIRONMENT

| | |
|--------------|------------------------------|
| Air pressure | 0.6-0.8MPa |
| Air supply | 200L/min |
| Temperature | 20°C±2°C; <0.5°C/h, <1°C/24h |
| Humidity | 30%~70% |
| Max. power | 1000W |
| Power supply | 220V±5%, 50HZ |

STANDARD DELIVERY

| | | |
|-----------------------|------------|-------|
| Main unit | | 1 pc |
| Probe system | probe head | 1 pc |
| | probe body | 1 pc |
| | styli | 1 set |
| Control system | | 1 set |
| Calibration sphere | | 1 pc |
| Universal sphere seat | | 1 pc |
| Computer | | 1 pc |
| Printer | | 1 pc |
| Software | | 1 set |
| Table and chair | | 1 set |

PH10T AND PH10M SPECIFICATION

| | |
|---------------------------------------|----------------------|
| Angular movement with horizontal axis | 0°~105° in 7.5 steps |
| Angular movement with vertical axis | ±180° in 7.5 steps |
| Number of positions | 720 |
| Steering mode | motorized |
| Max. output torque | 0.45N.m |
| Max. extension length | 300mm |
| Weight | 649g |

MH20i SPECIFICATION

| | |
|---------------------------------------|---------------------|
| Angular movement with horizontal axis | 0°~105° in 15 steps |
| Angular movement with vertical axis | ±180° in 15 steps |
| Number of positions | 168 |
| Steering mode | manual |
| Max. extension length | 75mm |
| Weight | 210g |

STYLI SET INCLUDED IN TP20

| Name | Material | Ball diameter | Length | Stem diameter | Effective working length | Quantity |
|-------|------------------------------------|---------------|--------|---------------|--------------------------|----------|
| Styli | ruby ball/ stainless steel stem | SØ2.5mm | 20mm | SØ1.4mm | 14mm | 4 pcs |
| | | SØ4mm | | | 20mm | |
| | | SØ3mm | 10mm | SØ1.5mm | 7.5mm | 1 pc |

| Name | Material | Diameter | Length | Quantity |
|-------------|-----------------|----------|--------|----------|
| Extension | stainless steel | Ø3mm | 20mm | 1 pc |
| | | | 30mm | |
| Center base | | Ø7mm | 7.5mm | |

STYLI SET INCLUDED IN SP25M

| Name | Material | Ball diameter | Length | Stem diameter | Effective working length | Quantity |
|-------|------------------------------------|---------------|--------|---------------|--------------------------|----------|
| Styli | ruby ball/ stainless steel stem | SØ1.5mm | 21mm | Ø1mm | 14mm | 1 pc |
| | | SØ2mm | | Ø1.4mm | 8mm | 1 pc |
| | | SØ3mm | | Ø1.5mm | 12mm | 4 pcs |
| | | SØ4mm | 31mm | Ø2.5mm | 27mm | 1 pc |
| | ruby ball/ carbon fiber stem | SØ5mm | 50mm | Ø3mm | 42.5mm | 1 pc |
| | | SØ6mm | 75mm | Ø4mm | 75mm | 1 pc |

| Name | Material | Diameter | Length | Quantity |
|-------------|-----------------|----------|--------|----------|
| Extension | stainless steel | Ø5mm | 10mm | 1 pc |
| | | Ø4mm | 20mm | |
| Center base | | Ø10mm | 13mm | |



MEASURING ARMS

- In accordance with ISO 10360-12
- Internal balance
- Dual high performance batteries
- Equivalent-arm design
- High-speed WiFi performance
- Aerospace grade carbon-fiber material
- Automatic power off
- U-shaped anti-collision design of the base



CMM-CM30

HIGH PRECISION, CM SERIES, 6-AXIS

(mm)

| Code | Measuring range | Maximum permissible error | | | | |
|----------|-----------------|---------------------------|------------------|-------------------|-------------------|------------------|
| | | SPAT | E _{UNI} | P _{SIZE} | P _{FORM} | L _{DIA} |
| CMM-CM15 | 1500 | 0.018 | 0.025 | 0.009 | 0.016 | 0.026 |
| CMM-CM20 | 2000 | 0.020 | 0.028 | 0.010 | 0.018 | 0.032 |
| CMM-CM25 | 2500 | 0.023 | 0.030 | 0.012 | 0.022 | 0.038 |
| CMM-CM30 | 3000 | 0.034 | 0.042 | 0.016 | 0.032 | 0.052 |
| CMM-CM35 | 3500 | 0.043 | 0.056 | 0.020 | 0.038 | 0.066 |
| CMM-CM40 | 4000 | 0.052 | 0.066 | 0.024 | 0.044 | 0.083 |
| CMM-CM45 | 4500 | 0.061 | 0.089 | 0.038 | 0.078 | 0.108 |

HIGH PRECISION, CM SERIES, 7-AXIS

(mm)

| Code | Measuring range | Maximum permissible error | | | | |
|-----------|-----------------|---------------------------|------------------|-------------------|-------------------|------------------|
| | | SPAT | E _{UNI} | P _{SIZE} | P _{FORM} | L _{DIA} |
| CMM-CM20S | 2000 | 0.022 | 0.030 | 0.012 | 0.022 | 0.040 |
| CMM-CM25S | 2500 | 0.027 | 0.032 | 0.013 | 0.025 | 0.048 |
| CMM-CM30S | 3000 | 0.042 | 0.053 | 0.020 | 0.035 | 0.078 |
| CMM-CM35S | 3500 | 0.055 | 0.066 | 0.024 | 0.043 | 0.092 |
| CMM-CM40S | 4000 | 0.065 | 0.082 | 0.029 | 0.048 | 0.102 |
| CMM-CM45S | 4500 | 0.073 | 0.099 | 0.043 | 0.082 | 0.132 |

STANDARD PRECISION, BE SERIES, 6-AXIS

(mm)

| Code | Measuring range | Maximum permissible error | | | | |
|----------|-----------------|---------------------------|------------------|-------------------|-------------------|------------------|
| | | SPAT | E _{UNI} | P _{SIZE} | P _{FORM} | L _{DIA} |
| CMM-BE15 | 1500 | 0.028 | 0.036 | 0.015 | 0.029 | 0.038 |
| CMM-BE20 | 2000 | 0.030 | 0.040 | 0.018 | 0.035 | 0.041 |
| CMM-BE25 | 2500 | 0.035 | 0.045 | 0.020 | 0.038 | 0.050 |
| CMM-BE30 | 3000 | 0.055 | 0.065 | 0.028 | 0.045 | 0.080 |
| CMM-BE35 | 3500 | 0.075 | 0.080 | 0.035 | 0.058 | 0.098 |
| CMM-BE40 | 4000 | 0.090 | 0.100 | 0.044 | 0.068 | 0.116 |
| CMM-BE45 | 4500 | 0.112 | 0.120 | 0.048 | 0.086 | 0.128 |

To be continued

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Single-point articulation test



Distance measurement error between two points



Sphere form measurement error



Sphere size measurement error



Sphere diameter obtained from performing the articulated location test (diameter of the spherical zone containing the centers of a sphere measured from multiple orientations)

SPECIFICATION

| | |
|-----------------------|--|
| Temperature rate | 3°C/5min |
| Battery life | 5h for one battery; 10h for two batteries |
| Output | USB, WIFI |
| Operation temperature | 5°C~45°C |
| Operation humidity | 0~95%, non-condensing |
| Power | 100~240VAC, 50/60HZ |
| Weight | 8.8kg~10.6kg |



3mm zircon ball probe (included)



6mm zircon ball probe (included)



calibration cone (included)

STANDARD DELIVERY

| | |
|-----------------------|-------|
| Main unit | 1 pc |
| 3mm zircon ball probe | 1 pc |
| 6mm zircon ball probe | 1 pc |
| Calibration cone | 1 pc |
| Lithium batteries | 2 pcs |
| USB cable | 1 pc |
| Power adapter | 1 pc |
| Dust cover | 1 pc |



magnetic base (optional)



electric vacuum base (optional)



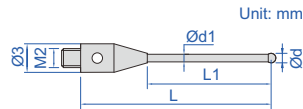
DELL laptop (optional)

OPTIONAL ACCESSORY

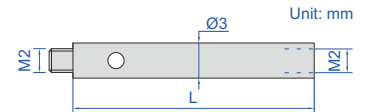
| | |
|-----------------------------|--------------|
| DELL laptop | CMM-CEM-PCE |
| Polyworks software | CMM-CEM-PW |
| Adjustable tripod | CMM-CEM-FAT |
| Electric vacuum base | CMM-CEM-EVCP |
| Magnetic base | CMM-CEM-IMM |
| Magnetic cones | CMM-CEM-MC |
| Magnetic spheres | CMM-CEM-MS |
| Point probe | CMM-CEM-PP |
| 2mm ruby ball probe | CMM-CEM-RP2 |
| 5mm zircon ball probe | CMM-CEM-ZP5 |
| 10mm zircon ball probe | CMM-CEM-ZP10 |
| 3" straight probe extension | CMM-CEM-SPE3 |
| 4" straight probe extension | CMM-CEM-SPE4 |
| 60° probe adapter | CMM-CEM-DP60 |
| 90° probe adapter | CMM-CEM-DP90 |
| 3mm extended ball probe | CMM-CEM-EPB3 |
| 6mm extended ball probe | CMM-CEM-EPB6 |
| Probe adapter | CMM-CEM-PA |



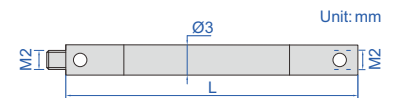
adjustable tripod (optional)


ISQ-01-2010-020STR

ISQ-02-2030-040ST
M2 styli (stainless steel base) (mm)

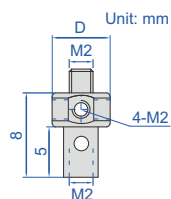
| Code | Ød | Ød1 | L | L1 | Material of rod | Material of tip |
|--------------------|-----|-----|------|------|-----------------|-----------------|
| ISQ-01-2010-010STR | 1 | 0.8 | 10 | 4 | carbide | ruby |
| ISQ-01-2010-020LTR | 1 | 0.8 | 20 | 7 | | |
| ISQ-01-2010-020STR | 1 | 0.8 | 20 | 13 | | |
| ISQ-01-2010-028STR | 1 | 0.8 | 27.5 | 20.5 | | |
| ISQ-01-2015-020STR | 1.5 | 1 | 20 | 13 | | |
| ISQ-01-2015-030STR | 1.5 | 1 | 30 | 23 | | |
| ISQ-01-2020-020STR | 2 | 1 | 20 | 13 | | |
| ISQ-01-2020-030STR | 2 | 1.5 | 30 | 23 | | |
| ISQ-01-2020-040STR | 2 | 1.5 | 40 | 33 | | |
| ISQ-01-2025-020STR | 2.5 | 1.5 | 20 | 13 | | |
| ISQ-01-2025-030STR | 2.5 | 2 | 30 | 23 | | |
| ISQ-01-2025-040STR | 2.5 | 2 | 40 | 33 | | |
| ISQ-01-2030-020STR | 3 | 1.5 | 20 | 13 | | |
| ISQ-01-2030-030STR | 3 | 2 | 30 | 23 | | |
| ISQ-01-2030-040STR | 3 | 2 | 40 | 33 | | |
| ISQ-01-2030-050STR | 3 | 2 | 50 | 43 | | |
| ISQ-01-2040-022STR | 4 | 2 | 22 | 15 | | |
| ISQ-01-2040-030STR | 4 | 2 | 30 | 23 | | |
| ISQ-01-2040-040STR | 4 | 2 | 40 | 33 | | |
| ISQ-01-2040-050STR | 4 | 2 | 50 | 43 | | |
| ISQ-01-2020-020SSR | 2 | 1.5 | 20 | 13 | stainless steel | |
| ISQ-01-2030-020SSR | 3 | 1.5 | 20 | 13 | | |
| ISQ-01-2040-020SSR | 4 | 1.5 | 20 | 13 | ceramic | |
| ISQ-01-2030-050SCE | 3 | 2 | 50 | 43 | | |


M2 extension rods of styli (mm)

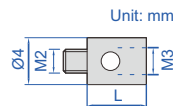
| Code | L | Material |
|-------------------|----|-----------------|
| ISQ-02-2030-005ST | 5 | stainless steel |
| ISQ-02-2030-010ST | 10 | |
| ISQ-02-2030-020ST | 20 | |
| ISQ-02-2030-030ST | 30 | |
| ISQ-02-2030-040ST | 40 | |


M2 extension rods of styli (mm)

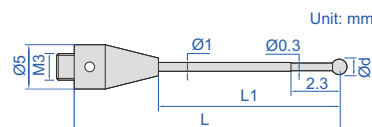
| Code | L | Material |
|--------------------|----|--------------|
| ISQ-02-2035-030SCF | 30 | carbon fibre |
| ISQ-02-2035-040SCF | 40 | |
| ISQ-02-2035-050SCF | 50 | |
| ISQ-02-2035-060SCF | 60 | |
| ISQ-02-2035-070SCF | 70 | |


M2 multi way bases of styli (mm)

| Code | D | Remark | Material |
|-------------------|-----|--------|-----------------|
| ISQ-03-2075-008ST | 7.5 | 4-way | stainless steel |
| ISQ-03-2070-008ST | 7 | 5-way | |


M2 thread converters (mm)

| Code | L | Material |
|-------------------|---|-----------------|
| ISQ-05-2040-005M3 | 5 | stainless steel |
| ISQ-05-2040-007M3 | 7 | |


ISQ-01-3005-020TTR2

M3 styli with step (stainless steel base) (mm)

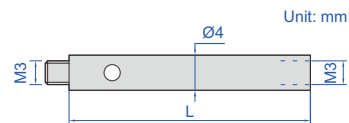
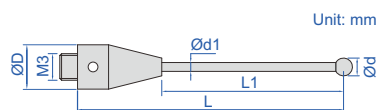
| Code | Ød | L | L1 | Material of rod | Material of tip |
|---------------------|-----|----|----|-----------------|-----------------|
| ISQ-01-3005-018TTR2 | 0.5 | 18 | 9 | carbide | ruby |
| ISQ-01-3005-020TTR2 | 0.5 | 20 | 11 | | |

To be continued

Continued from previous page



ISQ-01-3020-030STR



M3 styli (stainless steel base)

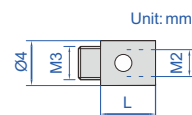
(mm)

| Code | Ød | Ød1 | L | L1 | ØD | Material of rod | Material of tip |
|--------------------|-----|-----|----|------|----|-----------------|-----------------|
| ISQ-01-3010-020TTR | 1 | 0.8 | 20 | 11 | 5 | carbide | ruby |
| ISQ-01-3010-040TTR | 1 | 0.8 | 40 | 31 | 5 | | |
| ISQ-01-3015-020TTR | 1.5 | 1 | 20 | 11 | 5 | | |
| ISQ-01-3015-030TTR | 1.5 | 1 | 30 | 21 | 5 | | |
| ISQ-01-3015-040TTR | 1.5 | 1 | 40 | 31 | 5 | | |
| ISQ-01-3020-014TTR | 2 | 1 | 14 | 5 | 5 | | |
| ISQ-01-3020-040TTR | 2 | 1.5 | 40 | 31 | 5 | | |
| ISQ-01-3020-050TTR | 2 | 1.5 | 50 | 41 | 5 | | |
| ISQ-01-3030-050TTR | 3 | 2 | 50 | 41 | 5 | | |
| ISQ-01-3040-030TTR | 4 | 2 | 30 | 21 | 5 | | |
| ISQ-01-3040-040TTR | 4 | 2 | 40 | 31 | 5 | | |
| ISQ-01-3040-050TTR | 4 | 2 | 50 | 41 | 5 | | |
| ISQ-01-3020-030STR | 2 | 1.5 | 30 | 22.5 | 4 | carbon fibre | ruby |
| ISQ-01-3030-030STR | 3 | 1.5 | 30 | 22.5 | 4 | | |
| ISQ-01-3030-050TCR | 3 | 2 | 50 | 41 | 5 | | |
| ISQ-01-3030-075TCR | 3 | 2 | 75 | 66 | 5 | | |

M3 extension rods of styli

(mm)

| Code | L | Material |
|-------------------|----|-----------------|
| ISQ-02-3040-010ST | 10 | stainless steel |
| ISQ-02-3040-020ST | 20 | |
| ISQ-02-3040-030ST | 30 | |
| ISQ-02-3040-040ST | 40 | |
| ISQ-02-3040-050ST | 50 | |



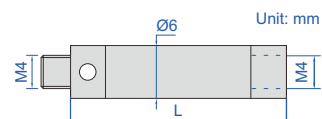
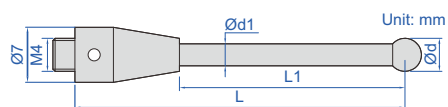
M3 thread converters

(mm)

| Code | L | Material |
|-------------------|----|-----------------|
| ISQ-05-3040-005M2 | 5 | stainless steel |
| ISQ-05-3040-010M2 | 10 | |
| ISQ-05-3040-020M2 | 20 | |



ISQ-01-4060-100SCE



M4 styli (stainless steel base)

(mm)

| Code | Ød | Ød1 | L | L1 | Material of rod | Material of tip |
|--------------------|----|-----|-----|------|-----------------|-----------------|
| ISQ-01-4010-020STR | 1 | 0.8 | 20 | 10 | carbide | ruby |
| ISQ-01-4020-020STR | 2 | 1.5 | 20 | 10 | | |
| ISQ-01-4020-050STR | 2 | 1.5 | 50 | 40 | | |
| ISQ-01-4040-050SCE | 4 | 3 | 50 | 33.5 | ceramic | |
| ISQ-01-4060-100SCE | 6 | 4.5 | 100 | 83.5 | | |

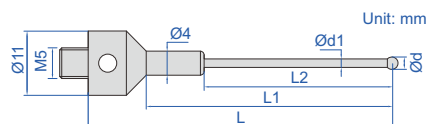
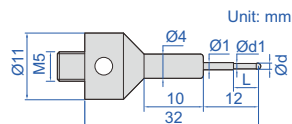
M4 extension rods of styli

(mm)

| Code | L | Material |
|--------------------|-----|----------|
| ISQ-02-4070-030SCT | 30 | ceramic |
| ISQ-02-4070-050SCT | 50 | |
| ISQ-02-4070-100SCT | 100 | |
| ISQ-02-4070-200SCT | 200 | |



ISQ-01-5010-032STR



M5 styli with step (stainless steel base)

(mm)

| Code | Ød | Ød1 | L | Material of rod | Material of tip |
|--------------------|-----|-----|-----|-----------------|-----------------|
| ISQ-01-5005-032STR | 0.5 | 0.3 | 2.5 | carbide | ruby |
| ISQ-01-5008-032STR | 0.8 | 0.6 | 4.8 | | |
| ISQ-01-5010-032STR | 1 | 0.8 | 5 | | |

M5 styli with step (stainless steel base)

(mm)

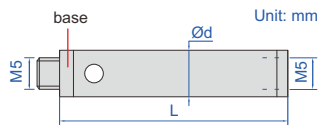
| Code | Ød | Ød1 | L | L1 | L2 | Material of rod | Material of tip |
|--------------------|-----|-----|----|----|----|-----------------|-----------------|
| ISQ-01-5015-044STR | 1.5 | 1 | 44 | 34 | 19 | carbide | ruby |
| ISQ-01-5020-044STR | 2 | 1.5 | 44 | 34 | 19 | | |
| ISQ-01-5020-058STR | 2 | 1.5 | 58 | 48 | 33 | | |

To be continued

Continued from previous page



ISQ-01-5030-034STR



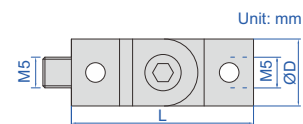
M5 styli (stainless steel base)

(mm)

| Code | Ød | Ød1 | L | L1 | Material of rod | Material of tip |
|--------------------|-----|-----|-------|-------|-----------------|-----------------|
| ISQ-01-5015-033STR | 1.5 | 1 | 33 | 23 | carbide | ruby |
| ISQ-01-5015-040STR | 1.5 | 1 | 40 | 30 | | |
| ISQ-01-5020-034STR | 2 | 1.5 | 33.5 | 23.5 | | |
| ISQ-01-5020-040STR | 2 | 1.5 | 40 | 30 | | |
| ISQ-01-5030-034STR | 3 | 2 | 33.5 | 23.5 | | |
| ISQ-01-5030-050STR | 3 | 2 | 50 | 40 | | |
| ISQ-01-5030-058STR | 3 | 2 | 58 | 48 | | |
| ISQ-01-5030-075STR | 3 | 2 | 75 | 65 | | |
| ISQ-01-5050-050STR | 5 | 2.5 | 50 | 40 | | |
| ISQ-01-5050-075STR | 5 | 2.5 | 75 | 65 | | |
| ISQ-01-5060-054STR | 6 | 3 | 54 | 44 | carbon fibre | ruby |
| ISQ-01-5080-115STR | 8 | 4 | 114.5 | 101.5 | | |
| ISQ-01-5030-058SCR | 3 | 2 | 58 | 48 | | |
| ISQ-01-5050-100SCR | 5 | 3.5 | 100 | 90 | carbon fibre | ruby |
| ISQ-01-5080-100SCR | 8 | 6 | 100 | 87 | | |



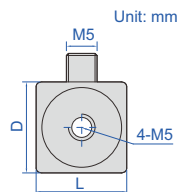
ISQ-03-5110-030TI



M5 extension rods of styli

(mm)

| Code | Ød | L | Material | Material of base |
|--------------------|----|-----|-----------------|------------------|
| ISQ-02-5110-040SAL | 11 | 40 | aluminium | stainless steel |
| ISQ-02-5110-060SAL | 11 | 60 | | |
| ISQ-02-5110-080SAL | 11 | 80 | | |
| ISQ-02-5110-100SAL | 11 | 100 | | |
| ISQ-02-5110-020ST | 11 | 20 | stainless steel | titanium |
| ISQ-02-5110-040TCF | 11 | 40 | carbon fibre | |
| ISQ-02-5110-050TCF | 11 | 50 | | |
| ISQ-02-5110-060TCF | 11 | 60 | | |
| ISQ-02-5110-100TCF | 11 | 100 | | |



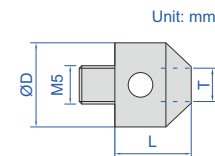
M5 rotating joints

(mm)

| Code | L | ØD | Material |
|-------------------|----|----|----------|
| ISQ-03-5110-030TI | 30 | 11 | titanium |
| ISQ-03-5180-036TI | 36 | 18 | |



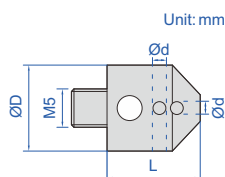
ISQ-05-5110-090M3



M5 4-way cubes of styli

(mm)

| Code | D | L | Material |
|-------------------|----|----|----------|
| ISQ-03-5150-150TI | 15 | 15 | titanium |
| ISQ-03-5200-200TI | 20 | 20 | |



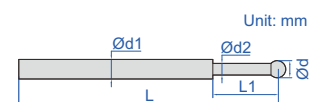
M5 thread converters

(mm)

| Code | L | ØD | Thread (T) | Material |
|-------------------|----|----|------------|-----------------|
| ISQ-05-5110-090M2 | 10 | 11 | M2 | stainless steel |
| ISQ-05-5110-090M3 | 10 | 11 | M3 | |



ISQ-01-0008-016TR



Holders for pin styli

(mm)

| Code | L | Ød | ØD | Material |
|---------------------|----|-----|----|-----------------|
| ISQ-03-5110-012H1 | 12 | 1 | 11 | stainless steel |
| ISQ-03-5110-012H1D5 | 12 | 1.5 | 11 | |
| ISQ-03-5110-012H2 | 12 | 2 | 11 | |

Pin styli

(mm)

| Code | L | Ød | L1 | Ød1 | Ød2 | Material of rod | Material of tip |
|-------------------|------|-----|-----|-----|-----|-----------------|-----------------|
| ISQ-01-0008-016TR | 15.8 | 0.8 | 4.8 | 1 | 0.6 | carbide | ruby |
| ISQ-01-0020-027TR | 27 | 2 | — | 1.5 | — | | |
| ISQ-01-0030-038TR | 38 | 3 | — | 2 | — | | |

STYLI FOR CMM

■ Roundness: 0.25µm



ISQ-20-071

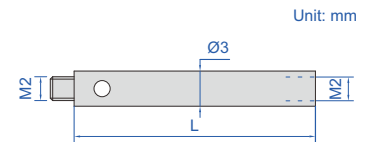


ISQ-25-125

M2 styli (mm)

| Code | Ød | Ød1 | L | L1 [*] | Material of rod | Material of tip |
|------------|-----|-----|----|-----------------|-----------------|-----------------|
| ISQ-20-002 | 1 | 0.7 | 10 | 4.5 | stainless steel | ruby |
| ISQ-20-006 | 2 | 1 | 10 | 6 | | |
| ISQ-20-010 | 3 | 1.5 | 10 | 10 | | |
| ISQ-20-021 | 2 | 1.4 | 20 | 14 | | |
| ISQ-20-025 | 3 | 1.5 | 20 | 17.5 | | |
| ISQ-20-027 | 4 | 2 | 20 | 20 | carbide | |
| ISQ-20-052 | 0.5 | 0.3 | 10 | 3 | | |
| ISQ-20-071 | 1 | 0.7 | 20 | 12.5 | | |
| ISQ-20-105 | 2 | 1.5 | 30 | 22.5 | | |
| ISQ-20-120 | 3 | 2 | 30 | 27.5 | ceramic | |
| ISQ-20-201 | 4 | 3 | 50 | 50 | carbon fibre | |

* L1 is the effective working length, which is the distance from the center of the tip to the section of the stem with the same diameter as the tip

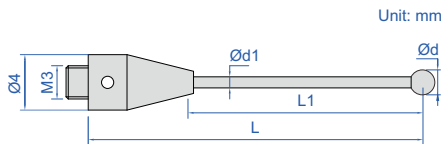


M2 extension rods of styli (mm)

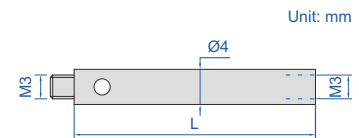
| Code | L | Material |
|------------|----|-----------------|
| ISQ-25-105 | 10 | stainless steel |
| ISQ-25-110 | 20 | |
| ISQ-25-125 | 30 | ceramic |



ISQ-30-066



ISQ-35-110



M3 styli (mm)

| Code | Ød | Ød1 | L | L1* | Material of rod | Material of tip |
|------------|----|-----|----|------|-----------------|-----------------|
| ISQ-30-001 | 1 | 0.7 | 21 | 4 | carbide | ruby |
| ISQ-30-003 | 2 | 1.4 | 21 | 8 | | |
| ISQ-30-005 | 3 | 1.5 | 21 | 12 | | |
| ISQ-30-031 | 2 | 1.5 | 30 | 22.5 | | |
| ISQ-30-066 | 3 | 2 | 50 | 42.5 | ceramic | |
| ISQ-30-080 | 6 | 4 | 75 | 75 | carbon fibre | |

* L1 is the effective working length, which is the distance from the center of the tip to the section of the stem with the same diameter as the tip

M3 extension rods of styli (mm)

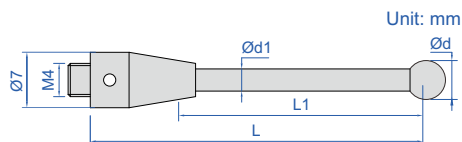
| Code | L | Material |
|------------|----|-----------------|
| ISQ-35-101 | 10 | stainless steel |
| ISQ-35-105 | 20 | |
| ISQ-35-110 | 35 | |
| ISQ-35-115 | 50 | ceramic |

To be continued

Continued from previous page



ISQ-40-195



M4 styli

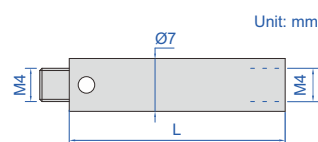
(mm)

| Code | Ød | Ød1 | L | L1* | Material of rod | Material of tip |
|------------|----|-----|------|-----|-----------------|-----------------|
| ISQ-40-113 | 3 | 2 | 18.5 | 13 | stainless steel | ruby |
| ISQ-40-208 | 6 | 4 | 50 | 36 | | |
| ISQ-40-106 | 1 | 0.7 | 19.5 | 4 | carbide | |
| ISQ-40-109 | 2 | 1.4 | 19 | 8 | | |
| ISQ-40-141 | 1 | 0.7 | 20 | 10 | | |
| ISQ-40-195 | 2 | 1.5 | 50 | 40 | | |
| ISQ-40-202 | 4 | 2 | 50 | 38 | | |
| ISQ-40-173 | 5 | 4 | 50 | 34 | ceramic | |
| ISQ-40-179 | 6 | 4 | 50 | 36 | | |
| ISQ-40-222 | 6 | 4 | 75 | 63 | | |
| ISQ-40-240 | 5 | 4 | 100 | 84 | | |
| ISQ-40-245 | 6 | 4 | 100 | 86 | | |

* L1 is the effective working length, which is the distance from the center of the tip to the section of the stem with the same diameter as the tip



ISQ-45-025

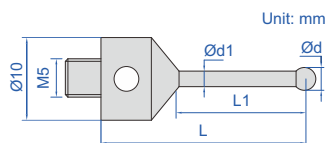


M4 extension rods of styli (mm)

| Code | L | Material |
|------------|----|----------|
| ISQ-45-025 | 30 | ceramic |
| ISQ-45-028 | 50 | |



ISQ-50-059

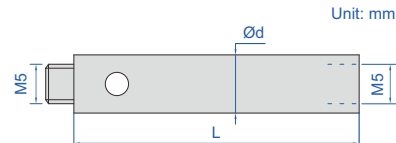


M5 styli

(mm)

| Code | Ød | Ød1 | L | L1* | Material of rod | Material of tip |
|------------|----|-----|----|-----|-----------------|-----------------|
| ISQ-50-051 | 1 | 0.7 | 20 | 5 | carbide | ruby |
| ISQ-50-059 | 2 | 1.5 | 20 | 11 | | |
| ISQ-50-067 | 3 | 2 | 20 | 11 | | |
| ISQ-50-071 | 4 | 2 | 20 | 11 | | |
| ISQ-50-075 | 5 | 3 | 20 | 11 | | |

* L1 is the effective working length, which is the distance from the center of the tip to the section of the stem with the same diameter as the tip



M5 extension rods of styli (mm)

| Code | L | Ød | Material |
|------------|-----|----|-----------------|
| ISQ-55-012 | 20 | 10 | stainless steel |
| ISQ-55-014 | 30 | 10 | |
| ISQ-55-016 | 50 | 10 | |
| ISQ-55-018 | 100 | 10 | |
| ISQ-55-031 | 50 | 20 | aluminum |
| ISQ-55-035 | 100 | 20 | |
| ISQ-55-039 | 200 | 20 | |

REFER TO PAGE 330~331
FOR DETAILS

CMM CHECK MASTERS

23



6882-600



6874-1000

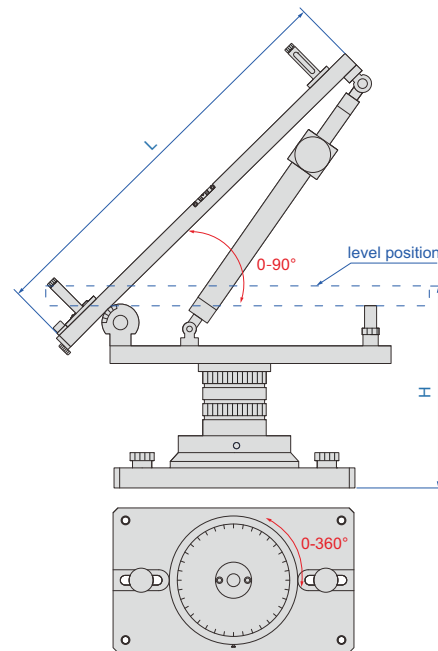
GAGE BLOCK STAND FOR CMM



6885-1000

- Made of aluminum
- Used with gage blocks to calibrate CMM
- Optional accessory: gage blocks (4101, 4103 and 4104 series)

| Code | Length (L) | Height (H) |
|-----------|--|---------------|
| 6885-1000 | 500, 600, 650, 700, 750, 800, 850, 900, 1000 | 235, 355, 475 |



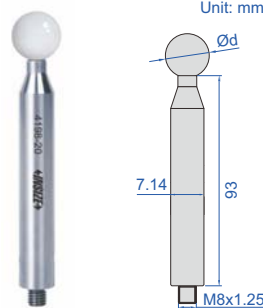
height column
(included, 2 pcs)



extension plate (included, 4 pcs)

CERAMIC BALL GAGES

- To calibrate CMM probes
- Zirconia material, high strength and hardness, extremely wear resistance and corrosion resistance
- good insulation, antistatic and magnetic resistance
- Mirror surface, with pole
- Supplied with manufacturer inspection certificate



4198-20



High accuracy

| Code | Diameter (Ød) | Accuracy | Roundness |
|-----------|---------------|----------|-----------|
| 4198-8 | 8mm | ±5µm | 0.5µm |
| 4198-10 | 10mm | ±5µm | 0.5µm |
| 4198-12D7 | 12.7mm | ±5µm | 0.5µm |
| 4198-13 | 13mm | ±5µm | 0.5µm |
| 4198-14 | 14mm | ±5µm | 0.5µm |
| 4198-15 | 15mm | ±5µm | 0.5µm |
| 4198-16 | 16mm | ±5µm | 0.5µm |
| 4198-17 | 17mm | ±5µm | 0.5µm |
| 4198-20 | 20mm | ±5µm | 0.5µm |
| 4198-25D4 | 25.4mm | ±5µm | 0.5µm |

Standard accuracy

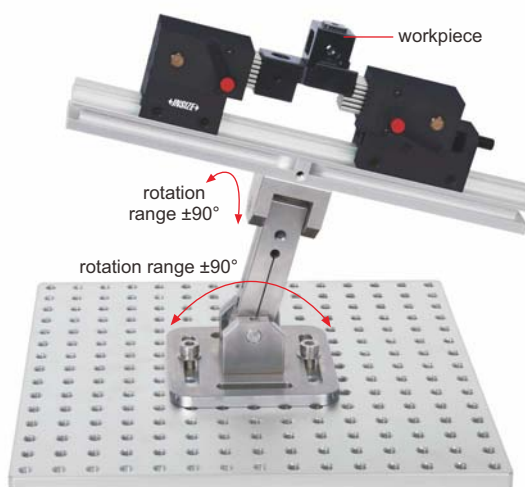
| Code | Diameter (Ød) | Accuracy | Roundness |
|------------|---------------|----------|-----------|
| 4198-8A | 8mm | ±5µm | 1µm |
| 4198-10A | 10mm | ±5µm | 1µm |
| 4198-12D7A | 12.7mm | ±5µm | 1µm |
| 4198-13A | 13mm | ±5µm | 1µm |
| 4198-14A | 14mm | ±5µm | 1µm |
| 4198-15A | 15mm | ±5µm | 1µm |
| 4198-16A | 16mm | ±5µm | 1µm |
| 4198-17A | 17mm | ±5µm | 1µm |
| 4198-20A | 20mm | ±5µm | 1µm |
| 4198-25D4A | 25.4mm | ±5µm | 1µm |

CAN BE
CUSTOMIZED



VIDEO

JIGS FOR CMM (ANVIL Ø2.5mm)



ISY-200



ISY-200-1



ISY-200-2



ISY-200-3



ISY-200-4



ISY-200-5



ISY-200-6

| Code | Product | Remark |
|---------|---------|--|
| ISY-200 | jig set | including 1 pc ISY-200-1, 1 pc ISY-200-2, 1 pc ISY-200-3, 1 pc ISY-200-4, 1 pc ISY-200-5 and 2 pcs ISY-200-6 |

| Code | Product | Size | Anvil area | Anvil stroke |
|-----------|---|----------|------------|--------------|
| ISY-200-1 | spring anvil | 60×40×57 | 20.5×23 | 14 |
| ISY-200-2 | adjustable spring anvil (range 0-20mm) | 70×40×57 | 20.5×23 | 14 |

| Code | Product | Size | Hole size |
|-----------|------------|--------------|-----------|
| ISY-200-3 | base plate | 300×300×12mm | M8 |

| Code | Product | Size |
|-----------|-----------------------------|-------------|
| ISY-200-4 | guide | 300×40×27 |
| ISY-200-5 | two-way adjustable stand | 110×110×142 |
| ISY-200-6 | clamp handle | — |

JIGS FOR CMM (ANVIL Ø6mm)



CAN BE
CUSTOMIZED



ISY-500



ISY-500-1



ISY-500-2



ISY-500-3



ISY-500-4



ISY-500-5



ISY-500-6



ISY-500-7

| Code | Product | Remark |
|---------|---------|---|
| ISY-500 | jig set | including 1 pc ISY-500-1, 1 pc ISY-500-2, 2 pcs ISY-500-3, 10 pcs ISY-500-4, 2 pcs ISY-500-5, 1 pc ISY-500-6, 2 pcs ISY-500-7 |

| Code | Product | Size | Anvil area | Anvil stroke |
|-----------|---|-------------|------------|--------------|
| ISY-500-1 | spring anvil | 134×90×90 | 36×100 | 24 |
| ISY-500-2 | adjustable spring anvil (range 0-40mm) | 134×120×130 | 36×100 | 24 |

(mm)

| Code | Product | Size |
|-----------|-----------------------------------|------------|
| ISY-500-3 | base plate | 300×240×20 |
| ISY-500-4 | block | 120×90×20 |
| ISY-500-5 | connecting plate | 170×90×15 |
| ISY-500-6 | connecting block of base plate | 80×50×10 |
| ISY-500-7 | clamp handle | — |

(mm)

CAN BE
CUSTOMIZED



JIGS FOR CMM (ANVIL Ø2.5mm)



ISY-300-1



ISY-300



ISY-300-2



ISY-300-3



ISY-300-4



ISY-300-5



ISY-300-6



ISY-300-7



ISY-300-8



ISY-300-9



ISY-300-10



ISY-300-11



ISY-300-12



ISY-300-13

| Code | Product | Remark |
|---------|---------|--|
| ISY-300 | jig set | including 1 pc ISY-300-1, 2 pcs ISY-300-2, 1 pc ISY-300-3, 2 pcs ISY-300-4, 14 pcs ISY-300-5, 2 pcs ISY-300-6, 8 pcs ISY-300-7, 6 pcs ISY-300-8, 2 pcs ISY-300-9, 2 pcs ISY-300-10, 2 pcs ISY-300-11, 2 pcs ISY-300-12, 2 pcs ISY-300-13 |

| Code | Product | Size | Hole size |
|-----------|------------|--------------|-----------|
| ISY-300-1 | base plate | 300×300×12mm | M8 |

| Code | Product | Size | Anvil area | Anvil stroke |
|-----------|--------------|----------|------------------------------|--------------|
| ISY-300-2 | spring anvil | 60×40×75 | 20.5×23 | 14 |
| ISY-300-3 | spring anvil | Ø26×73 | 3.1cm ² (hexagon) | 14 |

(mm)

| Code | Product | Size |
|------------|--------------------------------|-----------|
| ISY-300-4 | block | 50×50×50 |
| ISY-300-5 | block | 50×50×20 |
| ISY-300-6 | connecting plate | 110×50×10 |
| ISY-300-7 | block | Ø26×20 |
| ISY-300-8 | block | Ø26×30 |
| ISY-300-9 | connecting plate | 150×26×10 |
| ISY-300-10 | clip | 65×11 |
| ISY-300-11 | clip | 100×11 |
| ISY-300-12 | connecting block of clip stand | Ø26×20 |
| ISY-300-13 | clip stand | Ø8×75 |

(mm)

JIGS FOR CMM (ANVIL Ø6mm)



CAN BE
CUSTOMIZED



ISY-400



ISY-400-1



ISY-400-2



ISY-400-3



ISY-400-4



ISY-400-5



ISY-400-6

| Code | Product | Remark |
|---------|---------|---|
| ISY-400 | jig set | including 3 pcs ISY-400-1, 9 pcs ISY-400-2, 9 pcs ISY-400-3, 1 pc ISY-400-4, 3 pcs ISY-400-5, 3 pcs ISY-400-6 |

| Code | Product | Size | Anvil area | Anvil stroke |
|-----------|--------------|-----------|------------|--------------|
| ISY-400-1 | spring anvil | 135×60×90 | 36×100 | 24 |

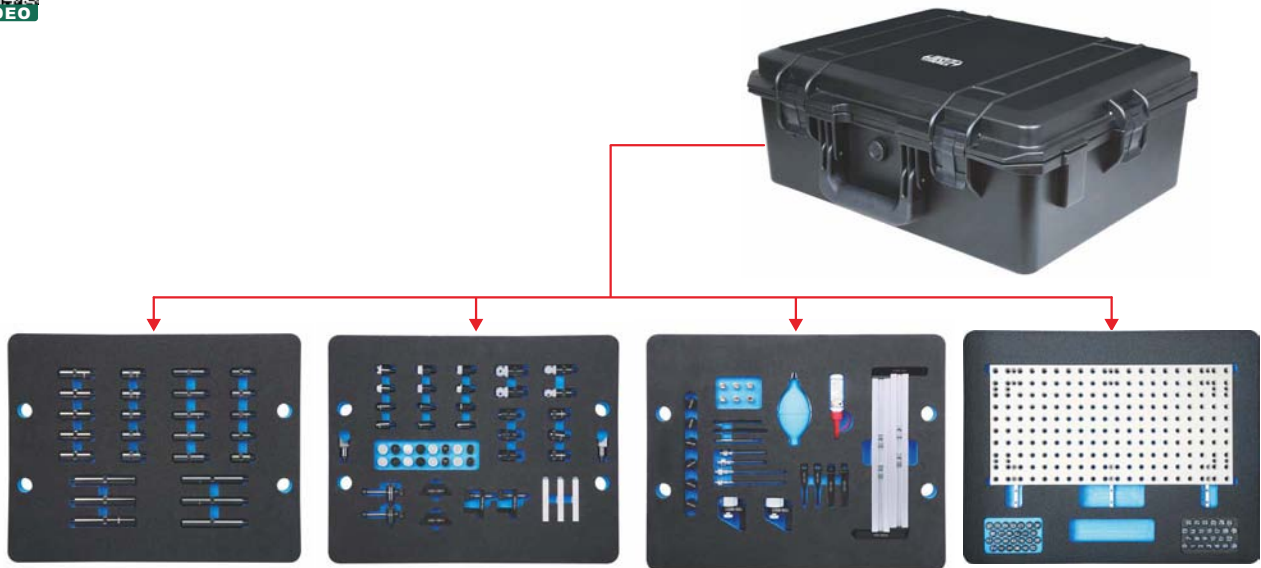
(mm)

| Code | Product | Size |
|-----------|------------------|------------|
| ISY-400-2 | block | 120×60×20 |
| ISY-400-3 | block | 120×60×30 |
| ISY-400-4 | base plate | 500×500×12 |
| ISY-400-5 | connecting plate | 130×120×12 |
| ISY-400-6 | clamp handle | — |

(mm)

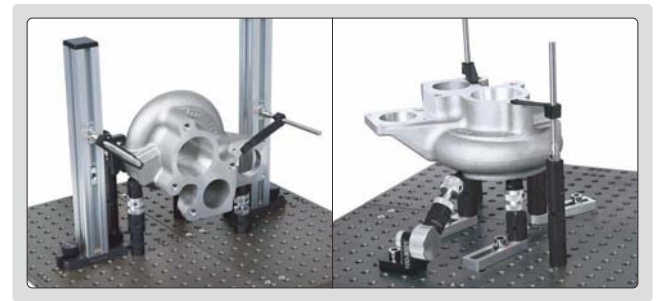





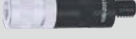




JIG SET FOR CMM CODE ISY-100




ISY-100

application examples



| Product | Code | Size (mm) | Quantity | Application |
|---|--------------|-----------|----------|---|
|  | ISY-100-1001 | Ø16×30 | 5 |  |
| | ISY-100-1002 | Ø16×50 | 5 | |
| | ISY-100-1003 | Ø16×100 | 3 | |
|  | ISY-100-1004 | Ø20×30 | 5 | |
| | ISY-100-1005 | Ø20×50 | 5 | |
| | ISY-100-1006 | Ø20×100 | 3 | |
| stand with fine adjustment  | ISY-100-2001 | Ø16×45~60 | 2 |  |
| stand with fine adjustment  | ISY-100-2003 | Ø20×45~60 | 2 | |
| horizontal spring stand  | ISY-100-4001 | — | 2 |  |

| Product | Code | Size (mm) | Quantity | Application |
|--|--------------|-----------|----------|---|
| horizontal screw stand  | ISY-100-5001 | — | 2 |  |
| magnetic stand (magnetic top surface)  | ISY-100-7001 | Ø20×25 | 3 |  |
| stand for slice parts  | ISY-100-8001 | Ø20×25 | 2 |  |
| clamping stand for slice parts  | ISY-100-8002 | | 1 | |









To be continued

Continued from previous page

| Product | Code | Size (mm) | Quantity | Application |
|---|----------------|--|----------|---|
| clip  | ISY-100-1201 | — | 2 |  |
| clip  | ISY-100-1301 | — | 2 |  |
| clip stand  | ISY-100-1401 | Ø6×60 | 2 |  |
| | ISY-100-1402 | Ø6×100 | 2 | |
| vertical square column  | ISY-100-3003 | 30×30×250 | 2 |  |
| sliding support plate  | ISY-100-1801 | 78×20×10 | 3 |  |
| clamping screw  | ISY-100-2301 | Ø8×20 | 6 | |
| screw  | ISY-100-2302 | Ø8×20 | 6 |  |
| base plate  | ISY-600-400200 | 400×400×12 hole size: M8×1.25 hole center distance: 20 | 2 pieces | — |
| wrench  | ISY-100-3701 | Ø3.8×70 | 1 | — |
| wrench  | ISY-100-3801 | M2.5 | 1 | — |
| | ISY-100-3802 | M5 | 1 | — |
| | ISY-100-3803 | M6 | 1 | — |
| 45° stand  | ISY-100-9001 | — | 2 |  |
| V shaped support  | ISY-100-1901 | — | 2 |  |

| Product | Code | Quantity | Application |
|---|---------------|----------|---|
| V shaped support  | ISY-100-1902 | 2 |  |
| marker  | ISY-6100-1501 | 52* |  |
| dust cleaner  | ISY-100-3501 | 1 | — |
| lubricating oil  | ISY-100-3601 | 1 | — |

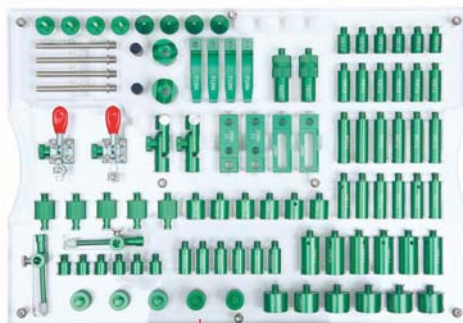
* Letter A~Z, number 0~25

| Product | Code | Quantity | Material | Application |
|---|---------------|----------|----------|---|
| support head  | ISY-100-27016 | 2 | aluminum |  |
| | ISY-100-27018 | 2 | nylon | |
| support head  | ISY-100-27026 | 2 | aluminum | |
| | ISY-100-27028 | 2 | nylon | |
| support head  | ISY-100-27036 | 2 | aluminum | |
| | ISY-100-27038 | 2 | nylon | |
| support head  | ISY-100-27046 | 2 | aluminum | |
| | ISY-100-27048 | 2 | nylon | |
| support head  | ISY-100-27056 | 2 | aluminum | |
| | ISY-100-27058 | 2 | nylon | |
| support head  | ISY-100-27066 | 2 | aluminum | |
| | ISY-100-27068 | 2 | nylon | |
| support head  | ISY-100-27076 | 2 | aluminum | |
| | ISY-100-27078 | 2 | nylon | |

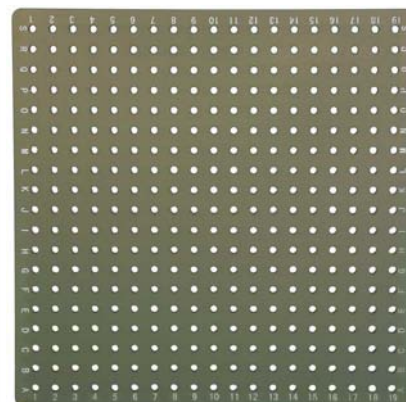


JIG SET FOR CMM CODE ISY-600






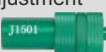




application example








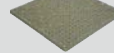


acrylic tray (included)



ISY-600

| Product | Code | Size (mm) | Quantity |
|--|---------------|-----------|----------|
| stand  | ISY-600-P1301 | Ø13×13 | 6 |
| | ISY-600-P1302 | Ø13×20 | 6 |
| | ISY-600-P1303 | Ø13×26 | 6 |
| stand  | ISY-600-P1304 | Ø13×32 | 6 |
| | ISY-600-P1305 | Ø13×40 | 6 |
| | ISY-600-P1306 | Ø13×45 | 6 |
| stand  | ISY-600-P1902 | Ø20×20 | 6 |
| | ISY-600-P1905 | Ø20×38 | 6 |
| | ISY-600-P2602 | Ø26×20 | 6 |
| spring stand  | ISY-600-P1522 | — | 2 |
| universal support  | ISY-600-J1560 | — | 2 |
| stand with fine adjustment  | ISY-600-J1501 | 48~60 | 2 |
| magnetic stand (magnetic top surface)  | ISY-600-J2020 | Ø20×20 | 4 |
| adaptor  | ISY-600-J2021 | Ø20×19 | 2 |
| V shaped support  | ISY-600-J2520 | Ø25×20 | 2 |
| clamping screw  | ISY-600-P2003 | M8x1.25 | 4 |

| Product | Code | Size (mm) | Quantity |
|---|---------------|-------------------------------------|----------|
| sliding support plate  | ISY-600-J2060 | 60×20×10 | 2 |
| sliding support plate  | ISY-600-J2060 | 60×20×10 | 2 |
| clip  | ISY-600-P1266 | 12×66 | 4 |
| chuck support  | ISY-600-JS201 | — | 2 |
| clip stand  | ISY-600-P0684 | Ø6×74 | 4 |
| aluminum support head  | ISY-600-P2002 | — | 4 |
| nylon support head  | ISY-600-P2001 | — | 4 |
| base plate  | ISY-600-400 | 400×400×18 hole size: M8X1.25 | 1 |