

THE STAGE DOESN'T
MOVE UP AND DOWN



HIGH PRECISION PROFILE PROJECTORS (WITHOUT EDGE DETECTOR)



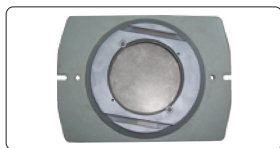
ISP-AZ3020

- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
- Maximum workpiece weight 30kg

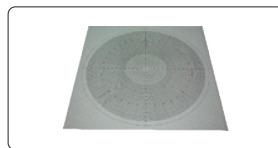
OPTIONAL ACCESSORY



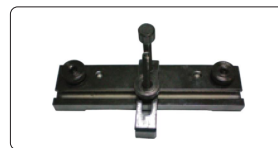
lens



rotary table
(glass plate diameter 100mm)



overlay chart (protractor with 1°
graduation, radius with 1mm increment)



holder with clamp



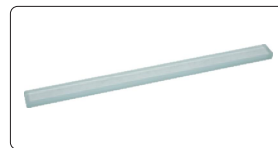
swivel center support



V-block set



50mm reading scale
(check magnification accuracy)



300mm calibration scale (check
magnification accuracy together
with 50mm reading scale or
calibrate measuring accuracy)











green/yellow filter



demo sample

SPECIFICATION

| Code | | ISP-AZ3010 | ISP-AZ3020 | ISP-AZ3025 | ISP-AZ3030 | ISP-AZ3040 |
|------------------------|------------------------|---|----------------|----------------|-----------------|-----------------|
| Edge detector | | not included | | | | |
| Lens | magnification | 10X (included) | 20X (optional) | 50X (optional) | 100X (optional) | |
| | view field | Ø30mm | Ø15mm | Ø6mm | Ø3mm | |
| | working distance | 77.7mm | 44.3mm | 38.4mm | 25.3mm | |
| Max. workpiece height | | 90mm | 90mm | 90mm | 90mm | |
| Magnification accuracy | | ±0.08% | | | | |
| Image | | erect image | | | | |
| Projector screen | | diameter: Ø300mm | | | | |
| | | rotation range: 0°~360°, resolution: 1" or 0.01° | | | | |
| | | reference lines: cross-hairs | | | | |
| Stage | metal stage size | 354×228mm | 404×228mm | 450×280mm | 500×330mm | 606×466mm |
| | glass stage size | 210×160mm | 260×160mm | 306×196mm | 321×221mm | 450×350mm |
| | X-Y stage travel range | 150×100mm | 200×100mm | 250×150mm | 295×195mm | 400×300mm |
| | resolution | 0.5μm | | | | |
| | accuracy | (3+L/75)μm L is the measuring length in mm | | | | |
| | Z (focus) travel range | 100mm | | | | |
| | max. load capacity | 30kg | | | | |
| Illumination | | contour illumination: 24V/150W halogen lamp, brightness is adjustable | | | | |
| | | surface illumination: 24V/150W halogen lamp | | | | |
| Data processing unit | display | X-Y stage travel, screen rotation | | | | |
| | output | RS232C | | | | |
| | function |  measure coordinate of point | | | | |
| | |  measure coordinate of line | | | | |
| | |  measure center coordinate, radius of circle with three points | | | | |
| | |  measure distance between two objects | | | | |
| | |  measure angle with four points or two lines | | | | |
| | |  set origin of coordinate | | | | |
| | |  coordinate transform | | | | |
| | |  set midpoint of coordinate | | | | |
| Power supply | | 110/220V, 50/60Hz | | | | |
| Dimension (W×D×H) | | 780×780×1100mm | 780×780×1100mm | 810×780×1120mm | 900×780×1120mm | 1040×780×1120mm |
| Weight | | 160kg | 160kg | 180kg | 180kg | 250kg |

STANDARD DELIVERY

| | |
|---|-------|
| Main unit | 1 pc |
| 10X lens with half-reflection mirror and oblique illuminator mirror | 1 pc |
| Overlay chart clip | 4 pcs |
| Foot-switch | 1 pc |
| Blue filter | 1 pc |
| Anti-dust cover | 1 pc |

OPTIONAL ACCESSORY

| | |
|---|--------------------|
| 20X lens with half-reflection mirror and oblique illuminator mirror | ISP-A1000-LENS20X |
| 50X lens with half-reflection mirror | ISP-A1000-LENS50X |
| 100X lens with half-reflection mirror | ISP-A1000-LENS100X |
| Rotary table (for ISP-AZ3010/3020) | ISP-A5000-TABLE |
| Rotary table (for ISP-AZ3025/3030) | ISP-A5001-TABLE |
| Rotary table (for ISP-AZ3040) | ISP-A5003-TABLE |
| Swivel center support (for ISP-AZ3020/3025) | ISP-A5000-SUPPORT |

| | |
|--|---------------------|
| Swivel center support (for ISP-AZ3010) | ISP-A1000-SUPPORT |
| Overlay chart | ISP-A1000-CHART |
| Holder with clamp | ISP-A1000-HOLDER |
| V-block set | 6896-12 |
| 50mm reading scale | ISP-A1000-SCALE50 |
| 300mm calibration scale | ISP-A1000-RULE |
| Green filter | ISP-A1000-GR-FILTER |
| Yellow filter | ISP-A1000-YE-FILTER |
| Demo sample | ISP-A1000-DEMO |