

LARGE SIZE PROFILE PROJECTOR CODE ISP-T1200

HIGH PRECISION
OBJECTIVE TURRET








MOTORIZED STAGE



- Projector screen diameter Ø1200mm
- Easy online measurement of machined parts
- Large measuring range, high load-bearing capacity table
- Table deflection $\pm 15^\circ$, easy to measure parts with helix angle
- Motorized stage
- High precision objective turret, easy to switch the magnification



SPECIFICATION

| | | | | | |
|---|--|---|-------|-------|-------|
| Projector screen | | diameter: Ø1200mm | | | |
| | | rotation range: 0°~360°, resolution: 1' | | | |
| | | reference lines: cross-hairs | | | |
| Lens | magnification | 10X | 20X | 50X | 100X |
| | view field | Ø120mm | Ø60mm | Ø24mm | Ø12mm |
| | working distance | 300mm | 195mm | 120mm | 50mm |
| Magnification accuracy | | ±0.06% | | | |
| Image | | inverted image | | | |
| Stage | metal stage size | 800×230mm | | | |
| | vertical plane table through-light dimension | 310×205mm | | | |
| | vertical round table through-light dimension | Ø130mm | | | |
| | turning range | ±15° | | | |
| | X-Z stage travel | range: 400×250mm | | | |
| | | resolution: 1μm | | | |
| | | accuracy: (4+L/50)μm, L is the measuring length in mm | | | |
| | Y (focus) travel range | 150mm | | | |
| max. load capacity | | 50kg | | | |
| Illumination | | contour illumination: 24V/250W halogen lamp, brightness is adjustable | | | |
| | | surface illumination: 24V/150W halogen lamp, brightness is adjustable | | | |
| Swivel center support | | max. clamping diameter: Ø300mm | | | |
| | | max. clamping length: 450mm | | | |
| Data processing unit | display | X-Y stage travel | | | |
| | output | RS232, USB | | | |
| | 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 | | | | | |
| | advanced function |  coordinate adjustment and compensation | | | |
| | |  for some special measurments | | | |
| | | programming for batch measurements | | | |
| Power supply | | 220V, 50/60Hz | | | |
| Dimension (L×W×H) | | 3500×2320×2250mm | | | |
| Weight | | 4000kg | | | |

STANDARD DELIVERY

| | |
|----------------------------|-------|
| Main unit | 1 pc |
| 10X lens | 1 pc |
| 20X lens | 1 pc |
| 50X lens | 1 pc |
| 100X lens | 1 pc |
| Vertical plane table | 1 pc |
| Vertical round table | 1 pc |
| High swivel center support | 1 set |
| Low swivel center support | 1 set |
| Magnifier | 1 pc |
| 50mm standard scale | 1 pc |
| 120mm standard scale | 1 pc |
| 600mm glass scale | 1 pc |
| Controller | 1 pc |