LARGE SIZE PROFILE PROJECTORS

HIGH PRECISION OBJECTIVE TURRET   **MOTORIZED STAGE**   **INSPECTION CERTIFICATE**

- Easy online measurement of machined parts
- Large measuring range, high load-bearing capacity table
- Table deflection ±15°, easy to measure parts with helix angle
- Motorized stage
- High precision objective turret, easy to switch the magnification (included in **ISP-T1200-U** and **ISP-T1500-U**)

Ø1200mm projector screen

digital readout

controller

lens turret (**ISP-T1200-U** and **ISP-T1500-U** included)

surface illumination

stage

contour illumination

ISP-T1200-U

LENS SPECIFICATION

Part No.		ISP-T800-U		ISP-T1200-U		ISP-T1500-U	
Parameter		view field	working distance	view field	working distance	view field	working distance
Lens multiplier	10X	3.15"DIA	8.11"	4.72"DIA	11.81"	5.91"DIA	12.99"
	20X	1.57"DIA	4.84"	2.36"DIA	7.68"	2.95"DIA	8.86"
	50X	0.63"DIA	3.35"	0.94"DIA	4.72"	1.18"DIA	5.63"
	100X	0.31"DIA	3.07"	0.47"DIA	1.97"	-	-

SPECIFICATION

Part No.		ISP-T800-U	ISP-T1200-U	ISP-T1500-U
Projector screen		diameter: 31.50"DIA	diameter: 47.24"DIA	diameter: 59.06"DIA
		rotation range: 0°~360°, resolution: 1'		
		reference lines: cross-hairs		
Magnification accuracy		±0.06%		
Image		inverted image		
Stage	metal stage size	24.80"×7.87"	31.50"×9.06"	
	vertical plane table through-light dimension	11.81"×7.87"	12.20"×8.07"	22.05"×10.04"
	vertical round table through-light dimension	3.54"DIA	5.12"DIA	12.99"DIA
	turning range	±15°		
	X-Z stage travel	range: 11.81"×7.87"	range: 15.74"×9.84"	
		resolution: .00004"		
		accuracy: (157.5+L/20)µin, L is the measuring length in inch		
	Y (focus) travel range	3.15"	5.91"	
	max. load capacity	110.23lb		220.46lb
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	7.87"DIA	11.81"DIA	15.75"DIA
	max. clamping length	11.81"	17.72"	
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		
		⚲ coordinate adjustment and compensation		
		☺ for some special measurments		
	advanced function	programming for batch measurements		
Power supply		110V, 50/60Hz		
Dimension (L×W×H)		83.86"×70.87"×76.77"	137.80"×91.34"×88.58"	157.83"×114.37"×95.20"
Weight		4188.78lb	8818.49lb	13227.74lb

STANDARD DELIVERY

Part No.	ISP-T800-U	ISP-T1200-U	ISP-T1500-U
Main unit	1 pc	1 pc	1 pc
10X lens	1 pc	1 pc	1 pc
20X lens	1 pc	1 pc	1 pc
50X lens	1 pc	1 pc	1 pc
100X lens	1 pc	1 pc	-
Vertical plane table	1 pc	1 pc	1 pc
Vertical round table	1 pc	1 pc	1 pc
Swivel center support	1 set	1 set	1 set
V-block with clamp	1 set	-	-
Magnifier	1 pc	1 pc	1 pc
50mm standard scale	-	1 pc	1 pc
80mm standard scale	1 pc	-	-
120mm standard scale	-	1 pc	1 pc
500mm glass scale	1 pc	-	-
600mm glass scale	-	1 pc	1 pc
Controller	1 pc	1 pc	1 pc