HIGH PRECISION PROFILE PROJECTORS
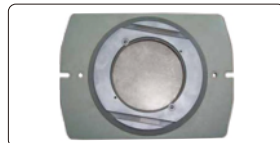# (WITHOUT EDGE DETECTOR)

THE STAGE DOESN'T MOVE UP AND DOWN

VIDEO

ISP-AZ3020

■ Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
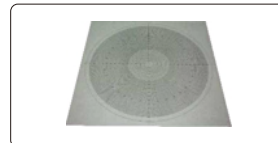■ Maximum workpiece weight 66lb

OPTIONAL ACCESSORY

lens

rotary table
(glass plate diameter 3.94")

11.81" DIA/Ø300mm overlay chart
(protractor with 1° graduation,
radius with .039"/1mm increment)
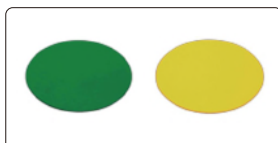
holder with clamp

swivel center support

V-block with clamp

1.97"/50mm reading scale
(check magnification accuracy)

11.81"/300mm calibration scale
(check magnification accuracy
together with 1.97"/50mm
reading scale or calibrate
measuring accuracy)

green/yellow filter

demo sample

SPECIFICATION

Part No.		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	1.18" DIA	.59" DIA	.24" DIA	.12" DIA	
	working distance	3.06"	1.74"	1.51"	1.00"	
Max. workpiece height		3.94"	3.94"	3.94"	3.94"	
Magnification accuracy		±0.08%				
Image		erect image				
Projector screen		diameter: 12" DIA				
		rotation range: 0°~360°, resolution: 1" or 0.01°				
		reference lines: cross-hairs				
Stage	metal stage size	13.94"×8.98"	15.90"×8.98"	17.72"×11.02"	19.68"×12.99"	23.86"×18.35"
	glass stage size	8.26"×6.30"	10.24"×6.30"	12.05"×7.72"	12.64"×8.70"	17.72"×13.78"
	X-Y stage travel range	5.90"×3.94"	7.87"×3.94"	9.84"×5.90"	11.61"×7.68"	15.75"×11.81"
	resolution	.00002"				
	accuracy	(118.1+13.3L)µin L is the measuring length in inch				
	Z (focus) travel range	3.94"				
	max. load capacity	66.14lb				
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				
		½ set midpoint of coordinate				
Power supply		110/220V, 50/60Hz				
Dimension (L×W×H)		30.71×30.71 ×43.31"	30.71×30.71 ×43.31"	31.89×30.71 ×44.09"	35.43×30.71 ×44.09"	40.95×30.71 ×44.09"
Weight		352lb	352lb	397lb	397lb	551lb

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-A5000-LENS20X	Swivel center support (for ISP-AZ3010)	ISP-A4500-SUPPORT
50X lens with half-reflection mirror	ISP-A5000-LENS50X	Swivel center support (for ISP-AZ3020/3025)	ISP-A5000-SUPPORT
100X lens with half-reflection mirror	ISP-A5000-LENS100X	Holder with clamp	ISP-A5000-HOLDER
Rotary table (for ISP-AZ3010/3020)	ISP-A5000-TABLE	V-block with clamp	ISP-A5000-VBLOCK
Rotary table (for ISP-AZ3025/3030)	ISP-A5001-TABLE	1.97"/50mm reading scale	ISP-A5000-SCALE50
Rotary table (for ISP-AZ3040)	ISP-A5003-TABLE	11.81"/300mm calibration scale	ISP-A5000-RULE
Overlay chart	ISP-A5000-CHART	Green filter	ISP-A5000-GR-FILTER
		Yellow filter	ISP-A5000-YE-FILTER
		Demo sample	ISP-A5000-DEMO