HIGH PRECISION PROFILE PROJECTORS
(WITHOUT EDGE DETECTOR)

ISP-AZ3020

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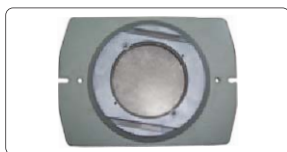
- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
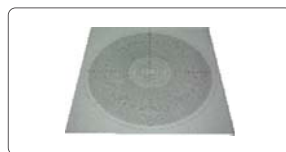- Maximum workpiece weight 30kg

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OPTIONAL ACCESSORY

lens

rotary table
(glass plate diameter 100mm)

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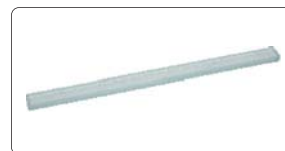
holder with clamp

swivel center support

V-block with clamp

50mm reading scale
(check magnification accuracy)

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

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**)
Lens — view field	Ø30mm	Ø15mm		Ø6mm	Ø3mm
Lens — 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
Stage — glass stage size	210×160mm	260×160mm	306×196mm	321×221mm	450×350mm
Stage — X-Y stage travel range	150×100mm	200×100mm	250×150mm	295×195mm	400×300mm
Stage — resolution	0.5µm				
Stage — accuracy	(3+L/75)µm (L is the measuring length in mm)				
Stage — Z (focus) travel range	100mm				
Stage — 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				
Data processing unit — output	RS232C				

Data processing unit — 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)	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-A5000-LENS20X	Swivel center support (for ISP-AZ3010)	ISP-A4500-SUPPORT
		Swivel center support (for ISP-AZ3020/3025)	ISP-A5000-SUPPORT
50X lens with half-reflection mirror	ISP-A5000-LENS50X	Overlay chart	ISP-A5000-CHART
100X lens with half-reflection mirror	ISP-A5000-LENS100X	Holder with clamp	ISP-A5000-VBLOCK
Rotary table (for ISP-AZ3010/3020)	ISP-A5000-TABLE	50mm reading scale	ISP-A5000-SCALE50
Rotary table (for ISP-AZ3025/3030)	ISP-A5001-TABLE	300mm calibration scale	ISP-A5000-RULE
Rotary table (for ISP-AZ3040)	ISP-A5003-TABLE	Demo sample	ISP-A5000-DEMO