

THE STAGE DOESN'T  
MOVE UP AND DOWN



# HIGH PRECISION PROFILE PROJECTORS (WITH EDGE DETECTOR)



software flash disk  
(included)



ISP-A5000E

digital readout



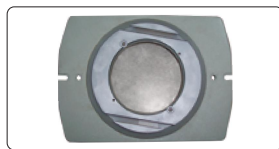
- touch buttons
- USB data output to Excel
- show diagram

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

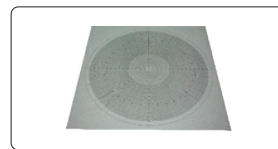
## OPTIONAL ACCESSORY



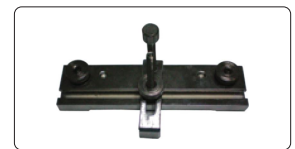
lens



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



printer

**SPECIFICATION**

Code		ISP-A4500E	ISP-A5000E	ISP-A5001E	ISP-A5002E	ISP-A5003E
Edge detector		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, USB (data output to Excel)				
	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 transform					
	 choose measurement object automatically according to the selective point and display the result					
Power supply		220V, 50/60Hz				
Dimension (W×D×H)		780×780×1100mm	780×780×1100mm	810×780×1120mm	900×780×1120mm	1040×780×1120mm
Net 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-A4500E/A5000E)	ISP-A5000-TABLE
Rotary table (for ISP-A5001E/A5002E)	ISP-A5001-TABLE
Rotary table (for ISP-A5003E)	ISP-A5003-TABLE
Printer	ISP-A1000-PRINTER
Swivel center support (for ISP-A4500E)	ISP-A1000-SUPPORT

Swivel center support (for ISP-A5000E/A5001E)	ISP-A5000-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