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Digital Profile Projector $\Phi 300\text{mm}$

SP-3015B

Features:

- The image on the projection screen should be a positive one; which would be in conformity with the measuring custom
- The transmission illumination with two high-and-low shifts is adopted to fit in with the measurement demand of different work-pieces
- With a non-spherical collector lighting system, the visual field of the projector screen would be all the more bright and homogeneous; thus reducing measurement errors and further securing the accuracy
- Imported Phillips long-life halogen tungsten lamps are adopted to satisfy the requirement of long-time uses of the projector
- With axial flow blower fans, the bilateral heat radiation can provide super-strong radiating power
- It has a multi-function digital indicator DS-600 and micro-printer.



Specifications:

Model		SP-3015B				
Measuring Stage	Metal Stage Size (mm)	340 x 152				
	Glass Stage Size (mm)	190 x 75				
	Stage Loading Weight	4 KGS				
	X, Y, Z Axis Travel (mm)	150 x 50 x 80				
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(4+L/25) μm				
Projector Screen	Screen Size (mm)	$\Phi 300$				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	6'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	$\Phi 30\text{ mm}$	$\Phi 15\text{ mm}$	$\Phi 6\text{ mm}$	$\Phi 3\text{ mm}$
		Working Distance	75 mm	69 mm	26 mm	26 mm
	Illumination	Profile Light Source	12V/100W Tungsten Halogen Lamp			
Surface Light Source		24V/150W Tungsten Halogen Lamp				
Data Processing System		DS-600 Big LCD Screen DRO				
Power Supply		110V / 220V (Switch)		50 / 60 Hz (Switch)		
Overall Dimensions		L x W x H (mm) = 480 x 780 x 1150				
Weight		135 KGS				
Standard Delivery	1. Main Body 2. DS-600 DRO 3. 10X Objective Lens	Optional Parts	1. Objective Lens: 20X, 50X, 100X 2. 2D Measuring Software			

Digital Profile Projector Φ 300mm

SP-3020B

Features:

- This instrument is a precision measuring device integrating optics, mechanics, electricity and computation into an organic whole;
- It is widely used in the measuring rooms and workshops of related factories and plants in the sectors of machinery manufacture, instrumentation, clocks and watches and electronics industries.
- This instrument can easily and speedily check the profiles and surface shapes of various measured parts; e.g., various parts, cutting tools and tools of sample plates, punching pieces, cams, gears, molding milling cutters, tapping tools, etc.



Specifications:

	Model	SP-3020B				
Measuring Stage	Metal Stage Size (mm)	400 x 225				
	Glass Stage Size (mm)	210 x 112				
	Stage Loading Weight	3 KGS				
	X, Y Axis Travel (mm)	200 x 100				
	Z-axis Travel (mm)	80				
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(3+L/75) μ m				
Projector Screen	Screen Size (mm)	Φ 300				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	6'				
	Rotary angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	Φ 30mm	Φ 15mm	Φ 6mm	Φ 3 mm
		Working Distance	75mm	69mm	44mm	26mm
	Illumination	Profile Light Source	12V/100W Tungsten Halogen Lamp			
		Surface Light Source	24V/150W Tungsten Halogen Lamp			
Data Processing System		DS-600 Big LCD Screen DRO				
Power Supply		110V / 220V (Switch)		50 / 60 Hz (Switch)		
Overall Dimensions		L x W x H (mm) = 380 x 806 x 1065				
Weight		180 KGS				
Standard Delivery	1. Main Body 2. DS-600 DRO 3. 10X Objective Lens	Optional Parts	1. Objective Lens: 20X, 50X, 100X 2. 2D Measuring Software			

Digital Profile Projector Φ 300mm

SP-3025

Features:

- This digital profile projector is an ergonomic and reliable measuring instrument with premium quality.
- It is equipped with foot-switch and multi-functional data processing system, which is convenient to data output, enabling the user to inspect the measured objects effectively and sufficiently.
- This instrument, which integrates optics, machinery and electronics, is able to carry out direct measurement sufficiently and comparative measurement for measured work-piece, such as stamping parts, gear, thread, and milling cutter, etc.
- It is widely used in the fields of machine manufacturing, electronics, mold, meter, etc.



Specifications:

Model		SP-3025				
Measuring Stage	Metal Stage Size (mm)	450 x 280				
	Glass Stage Size (mm)	306 x 196				
	X, Y, Z Axis Travel (mm)	250 x 150 x 100				
	Resolution of X, Y Axis	5 μ m				
	Accuracy	(3+L/75) μ m				
Projector Screen	Screen Size (mm)	Φ 312				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	6'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	Φ 30 mm	Φ 15 mm	Φ 6 mm	Φ 3 mm
		Working Distance	77.7 mm	44.3 mm	38.4 mm	25.3 mm
	Illumination	Profile Light Source	24V/150W Halogen Lamp			
		Surface Light Source	24V/150W Halogen Lamp			
Data Processing System		DC-3000 Multifunctional DRO				
Power Supply		110V / 220V (Switch) 50 / 60 Hz (Switch) Total Power: 400W				
Overall Dimensions		L x W x H (mm) = 810 x 780 x 1120				
Weight		180 KGS				
Standard Delivery	1. Main Body 2. DC-3000 DRO 3. 10X Objective Lens		Optional Parts	1. Objective Lens: 20X, 50X, 100X 2. Mini-printer 3. Edge Detector 4. 2D Measuring Software		

Digital Profile Projector Φ 250mm

SP-12B

Features:

- The product has beautiful outline and external readout. Its operation is simple and it suit for online inspection.
- Aspheric surface spotlighting and uniform view field. It has clear image and accurate magnification.
- The worktable adopts cast iron, which has light weight and high precision. It can do coarse movement so as to improve working efficiency.
- The up or down is V line guide rail with comfort transmission.
- The axial-flow fan adopts double direction heat dispersion so as to provide strong cooling ability.



Specifications:

Model		SP-12B	
Measuring Stage	Stage Size (mm)		220 x 150
	Stage Loading Weight		1 KG
	X, Y, Z Axis Travel (mm)		100 x 50 x 50
	Resolution of X, Y Axis		0.001mm
	Accuracy		(4+L/25) μ m
Projector Screen	Screen Size (mm)		Φ 250
	Screen Rotary Range		0°-360°
	Accuracy of the Rotary Angle		8'
	Rotary Angle Resolution		1' or 0.01°
Optical System	Lens	Magnification	10X 20X
		Object View	Φ 25 mm Φ 12.5 mm
		Working Distance	75 mm 69 mm
	Illumination	Profile Light Source	12V/100W Tungsten Halogen Lamp
Data Processing System		DC-3000 Multifunctional DRO	
Power Supply		220V \pm 22V 50Hz \pm 1Hz	
Overall Dimensions		L x W x H (mm) = 650 x 400 x 760	
Weight		100 KGS	

Digital Profile Projector $\Phi 300\text{mm}$

SP-14

Features:

- Both Erect image type and Reverse image type
- Long object working distance, large-sized surface and large range of measurement (three different worktables for selection)
- The up-and-down hoisting structure adopted for the projecting box can provide with a large focusing travel Z-direction;
- Transmission illuminating, clear in imaging, and intensities for transmission illuminating can be adaptable in corresponding to different magnifications, for different visual requirements
- The tower dial with three lens simultaneously would be very convenient for the replacement of magnification and for accurate locating;
- The worktable has strong rigidity and load capacity, ensuring the precision under any large-load.
- The transmission illuminating and vertical reflecting illuminating can be adaptable for different measuring requirements.



Specifications:

Model		SP-14				
Measuring Stage	Type	Small	Medium	Large		
	Stage Size	350 x 240	400 x 280	450 x 286		
	X, Y, Z Axis Travel (mm)	150 x 100 x 100	200 x 150 x 100	250 x 150 x 100		
	Stage Loading Weight	10 KGS	15 KGS	20 KGS		
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(3+L/75) μm				
Projector Screen	Screen Size (mm)	$\Phi 300$				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	6'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	$\Phi 30\text{mm}$	$\Phi 15\text{mm}$	$\Phi 6\text{mm}$	$\Phi 3\text{mm}$
		Working Distance	74mm	69mm	63mm	63mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp			
		Surface Light Source	24V/150W Tungsten Halogen Lamp			
Data Processing System		DC-3000 Multifunctional DRO				
Power Supply		110V / 220V (Switch) 50 / 60 Hz (Switch) Total Power: 400W				
Overall Dimensions		L x W x H (mm) = 410 x 650 x 1100				
Weight		90 KGS				

Digital Profile Projector $\Phi 300\text{mm}$

SP-20



Features:

- The metal structure of the projecting box is light in weight.
- The up-and-down hoisting structure adopted for the projecting box can provide with a large focusing travel in Z-direction;
- Long object working distance, large-sized surface and large range of measurement (three different worktables for selection)
- The worktable has strong rigidity and load capacity
- The transmission illuminating and vertical reflecting illuminating can be adaptable for different measuring requirements.

Specifications:

Model		SP-20				
Measuring Stage	Type	Small	Medium	Large		
	Stage Size	350 x 240	400 x 280	450 x 286		
	X, Y, Z Axis Travel (mm)	150 x 100 x 100	200 x 150 x 100	250 x 150 x 100		
	Stage Loading Weight	10 KGS	15 KGS	20 KGS		
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(3+L/75) μm				
Projector Screen	Screen Size (mm)	$\Phi 300$				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	6'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	$\Phi 30\text{mm}$	$\Phi 15\text{mm}$	$\Phi 6\text{mm}$	$\Phi 3\text{mm}$
		Working Distance	74mm	69mm	63mm	41mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp			
Surface Light Source		24V/150W Tungsten Halogen Lamp				
Data Processing System		DS-600 Big LCD Screen DRO				
Power Supply		110V / 220V (Switch) 50 / 60 Hz (Switch)				
Overall Dimensions		L x W x H (mm) = 410 x 650 x 1100				
Weight		80 KGS				

Digital Profile Projector Φ 300mm

SP-24



Features:

- With beautiful appearance and high precision, this instrument can compete with similar instruments abroad. Casting aluminum is selected for the processing of worktables, light in weight;
- With high-quality optical system, the objectives have clear image and accurate magnification. The fiber transmission is adopted for the reflecting illuminating, which is small in dimensions, high in brightness and convenient for uses; The two high-and-low adjustable illumination intensities for transmission illuminating can be adaptable for measuring requirements of different work-pieces

Specifications:

Model		SP-24				
Measuring Stage	Stage Size (mm)	326 x 150				
	Stage Loading Weight	5 KGS				
	X, Y, Z Axis Travel (mm)	200 x 80 x 100				
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(4+L/25) μ m				
Projector Screen	Screen Size (mm)	Φ 250				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	8'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	Φ 30 mm	Φ 15 mm	Φ 6 mm	Φ 3 mm
		Working Distance	75 mm	70 mm	27 mm	26 mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp			
		Surface Light Source	24V/150W Tungsten Halogen Lamp			
Data Processing System		DS-600				
Power Supply		220V \pm 22V 50Hz \pm 1Hz				
Overall Dimensions		L x W x H (mm) = 726 x 420 x 980				
Weight		105 KGS				

Digital Profile Projector $\Phi 350\text{mm}$

SP-27

Features:

- The models are available in two versions according to the direction of the projection system viz. either horizontal or vertical. The horizontal version is particularly suitable for checking cylindrical components to be fixed between dead centers or placed on "V" supports, as well as for specimens to be clamped by means of vices.
- The vertical version is more convenient for checking small and thin components to be placed directly on the glass stage of the worktable. Therefore this latter version is mainly useful in the production of small metal ware, as well as plastic, rubber, electronic components and the alike.
- Standard composition includes the linear transducers and encoder as well as the new digital displays/data processor with touch screen model 780-M-Touch. The new system allows carrying out direct two co-ordinates and angular measurements in addition to main geometric functions data processor. The device is complete with the optical sensor (edge finder) for on fly measurements with diascopic projection.



Specifications:

Model		SP-27				
Measuring Stage	Stage Size (mm)	326 x 150				
	Stage Loading Weight	5 KGS				
	X, Y, Z Axis Travel (mm)	200 x 80 x 100				
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(3+L/75) μm				
Projector Screen	Screen Size (mm)	$\Phi 350$				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	8'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	$\Phi 35$ mm	$\Phi 17$ mm	$\Phi 7$ mm	$\Phi 3.5$ mm
		Working Distance	88 mm	81 mm	54 mm	44 mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp			
		Surface Light Source	24V/150W Tungsten Halogen Lamp			
Data Processing System		DS-600				
Power Supply		220V \pm 22V 50Hz \pm 1Hz				
Overall Dimensions		L x W x H (mm) = 775 x 440 x 980				
Weight		150 KGS				

Digital Profile Projector $\Phi 350\text{mm}$

SP-21

Features:

Especially suitable for the measurement and detection of projection image drawings and profile observation, etc.; The in-line type is adopted for the objective replacement, sides fitted, with much convenience in replacement; The bottom-placement of projection screen makes it possible for the operator to sit, more convenient for drawing and observing the magnified image. Worktable has a large moving range.



Specifications:

Model		SP-21				
Measuring Stage	Stage Size (mm)		326 x 150			
	Stage Loading Weight		5 KGS			
	X, Y, Z Axis Travel (mm)		200 x 80 x 100			
	Resolution of X, Y Axis		0.001mm			
	Accuracy		(4+L/25) μm			
Projector Screen	Screen Size (mm)		$\Phi 350$			
	Screen Rotary Range		0°-360°			
	Accuracy of the Rotary Angle		8'			
	Rotary Angle Resolution		1' or 0.01°			
Optical System	Lens	Magnification	5X	10X	20X	50X
		Object View	$\Phi 75\text{ mm}$	$\Phi 35\text{ mm}$	$\Phi 17.5\text{ mm}$	$\Phi 7\text{ mm}$
		Working Distance	163mm	89 mm	57 mm	58 mm
	Illumination	Profile Light Source	12V/100W Tungsten Halogen Lamp			
		Surface Light Source	12V/100W Tungsten Halogen Lamp			
Data Processing System		DS-600				
Power Supply		220V \pm 22V 50Hz \pm 1Hz				
Overall Dimensions		L x W x H (mm) = 854 x 480 x 1401				
Weight		138 KGS				

Big Screen Series

SP-500 SP-600

Application:

This digital type high-precision projector is a highly efficient measuring instrument integrating light, machine and electricity. It can be widely used for industries such as mold manufacturing, metal work pressing, electronics, instrument, horologe, as well in universities, research institutes and metering examination departments.

SP-500 / SP-600



Features:

- This instrument is a precision measuring device which integrated optics, mechanics, electricity and computation into an organic whole; which is widely used in the measuring rooms and workshops of related factories and plants in the sectors of machinery manufacture, instrumentation, clocks and watches and electronics industries.
- This instrument can easily and speedily check the profiles and surface shapes of various measured parts; e.g., various parts, cutting tools and tools of sample plates, punching pieces, cams, gears, molding milling cutters, tapping tools, etc.

Profile Projector SP-500 / SP-600



Specifications:

Model		SP-500				SP-600				
Measuring Stage	Metal Stage Size (mm)	500 x 260 / 600 x 260 (custom-made)								
	Glass Stage Size (mm)	250 x 153								
	Stage Loading Weight	10 KGS / 5 KGS (custom-made)								
	X, Y, Z Axis Travel (mm)	200 x 100 x 80 / 300 x 200 x 80 (custom-made)								
	Resolution of X, Y Axis	1μm								
	Accuracy	(4+L/25) μm								
Projector Screen	Screen Size (mm)	Ø 500				Ø 600				
	Screen Rotary Range	0°-360°								
	Accuracy of the Rotary Angle	6'								
	Rotary Angle Resolution	1' or 0.01°								
Optical System	Lens	Magnification	10X	20X	50X	100X	10X	20X	50X	100X
		Object View (mm)	Ø50	Ø25	Ø10	Ø5	Ø60	Ø30	Ø12	Ø6
		Working Distance (mm)	77	87	76.6	49	77	87	76.6	49
	Illumination	Profile Light Source	12V/150W Tungsten Halogen Lamp							
Surface Light Source		12V/150W Tungsten Halogen Lamp								
Data Processing System		DS-600 Big LCD Screen DRO								
Power Supply		110V / 220V (Switch)				50 / 60 Hz (Switch)				
Overall Dimensions		L x W x H (mm) = 1420 x 1300 x 1940								
Weight		500 KGS				550 KGS				
Standard Delivery	1. Main Body 2. DS-600 DRO 3. 10X Objective Lens	Optional Parts	1. Objective Lens: 20X, 50X, 100X 2. 2D Measuring Software							

SPH Series

SPH-3020 SPH-4025

Application:

SPH-4025, SPH-3020 Ø300mm Ø400mm horizontal projector is a photoelectric measuring system of high precision and efficiency. It is widely used in the trade of mechanism, mould, tool, electricity and light industry. It is required in the checking department and workshop. The type optical comparator can inspect all kinds of surface and outline of the complicated work-pieces, such as template, cam, tread, gear, perform willing cutter and so on.

SPH-3020



SPH-4025



Features:

- The product structures are strong in commonality, this instrument is beautiful in its outward appearances and convenient for operations;
- Imported V-type straight-line slide-way is adopted for the hoisting driving of the worktable, light and comfortable in driving;
- The two high-and-low adjustable light intensities for transmission and indirect lighting can be adaptable for measuring requirements of different workpieces;
- In high quality in its optical system, the objectives are clear in imaging and accurate in multiplying factors;
- The fiber transmission is adopted for the indirect lighting, which is small in dimensions, high in its brightness and convenient for uses;
- Casting aluminum is selected for the processing of worktables, light in weight;
- This instrument is of super-precision, with stable and reliable performances.

Profile Projector SPH-3020



Specifications:

Model		SPH-3020				
Measuring Stage	Stage Size (mm)		400 x 150			
	Stage Loading Weight		5 KGS			
	X, Y, Z Axis Travel (mm)		200 x 100 x 75			
	Resolution of X, Y Axis		0.5 μ m			
	Accuracy		(3+L/25) μ m			
Projector Screen	Screen Size (mm)		\varnothing 300			
	Screen Rotary Range		0°-360°			
	Accuracy of the Rotary Angle		6'			
	Rotary Angle Resolution		1' or 0.01°			
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	\varnothing 30 mm	\varnothing 15 mm	\varnothing 6 mm	\varnothing 3 mm
		Working Distance	77.7mm	44.3 mm	38.4 mm	5.3 mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp			
		Surface Light Source	21V/150W Tungsten Halogen Lamp			
Data Processing System		DC-3000 Multifunctional DRO				
Power Supply		110V / 220V (AC) 50 / 60 Hz				
Overall Dimensions		L x W x H (mm) = 1090 x 830 x 1010				
Weight		160 KGS				
Standard Delivery	1. Main Body 2. DC-3000 DRO 3. 10X Objective Lens		Optional Parts	1. Objective Lens: 20X, 50X, 100X 2. 2D Measuring Software 3. Mini-printer 4. Edge Detector		

Profile Projector SPH-4025



Specifications:

Model		SPH-4025					
Measuring Stage	Stage Size (mm)		450 x 200				
	Stage Loading Weight		5 KGS				
	X, Y, Z Axis Travel (mm)		250 x 150 x 100				
	Resolution of X, Y Axis		0.5 μ m				
	Accuracy		(3+L/25) μ m				
Projector Screen	Screen Size (mm)		\varnothing 400				
	Screen Rotary Range		0°-360°				
	Accuracy of the Rotary Angle		6'				
	Rotary Angle Resolution		1' or 0.01°				
Optical System	Lens	Magnification	5X	10X	20X	50X	100X
		Object View	\varnothing 80 mm	\varnothing 40 mm	\varnothing 20 mm	\varnothing 8 mm	\varnothing 4 mm
		Working Distance	93.7 mm	103.9mm	95.1 mm	65.7 mm	35 mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp				
		Surface Light Source	21V/150W Tungsten Halogen Lamp				
Data Processing System		DC-3000 Multifunctional DRO					
Power Supply		110V / 220V (AC) 50 / 60 Hz					
Overall Dimensions		L x W x H (mm) = 1215 x 646 x 1210					
Weight		240 KGS					
Standard Delivery	1. Main Body 2. DC-3000 DRO 3. 10X Objective Lens		Optional Parts	1. Objective Lens: 5X, 20X, 50X, 100X 2. 2D Measuring Software 3. Mini-printer 4. Edge Detector			

Horizontal Profile Projector

SP-25 SP-26

Features:

- The horizontal light-path is adopted, convenient for the detection of various axis parts; the rotation of worktable is possible.
- With structures strong in commonality, this instrument is light in weight and beautiful in appearance;
- Imported V-type straight-line slide-way is adopted for the hoisting driving of the worktable, light and comfortable in driving;
- The fiber transmission is adopted for the reflecting illuminating, which is small in dimensions, high in its brightness and convenient for uses;
- The two high-and-low adjustable illumination intensities for transmission illuminating can be adaptable for measuring requirements of different work-pieces;



Specifications:

Model		SP-25				SP-26				
Measuring Stage	Stage Size (mm)	400 x 150				450 x 150				
	Stage Loading Weight	10 KGS								
	X, Y, Z Axis Travel (mm)	200 x 150 x 80								
	Resolution of X, Y Axis	1 μ m								
	Accuracy	(3+L/75) μ m								
Projector Screen	Screen Size (mm)	\varnothing 350				\varnothing 400				
	Screen Rotary Range	0°-360°								
	Accuracy of the Rotary Angle	6'								
	Rotary Angle Resolution	1' or 0.01°								
Optical System	Lens	Magnification	10X	20X	50X	100X	10X	20X	50X	100X
		Object View (mm)	\varnothing 35	\varnothing 17.5	\varnothing 7	\varnothing 3.5	\varnothing 40	\varnothing 20	\varnothing 8	\varnothing 4
		Working Distance (mm)	88	81	54	45	88	81	54	45
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp							
Surface Light Source		24V/150W Tungsten Halogen Lamp								
Data Processing System		DS-600 Big LCD Screen DRO								
Power Supply		110V / 220V (Switch)				50 / 60 Hz (Switch)				
Overall Dimensions		L x W x H (mm) = 687 x 443 x 942								
Weight		150 KGS								

Horizontal Profile Projector

SP-800 (three types)

SP-800A--Digital Measuring Projector

SP-800A adopts advanced raster sensor technology to measure data and digital display and the motor controlling the movement of worktable

SP-800B--Data Processing Projector

SP-800B is equipped with computer and two-coordinate measurement software, achieving convenient and fast measurement and the motor controlling the movement of worktable.

SP-800E--Full-auto Projector

SP-800E, the full-auto projector, providing the motor for full-auto control of the movement, has rich functions of its software, including automatic edge- tracking system.



- The in-line type is adopted for the objective, cone fitted, compressed by spring, accurate in central location.
- It is equipped with circular worktable which can be turned around in all directions, convenient for measuring gear parts
- The deflection of worktable can be $\pm 15^\circ$, convenient for measuring shaft-like helical parts;
- Advanced raster measurement technology and data processing system of full and complete function can achieve high efficiency with small error;
- Worktable of large travel range is adopted, having strong load capacity.
- Horizontal light-path is adopted, convenient for the measurement of the measured parts processed online.



Specifications:

Model		SP-800				
Measuring Stage	Stage Size (mm)	630 x 200				
	Stage Loading Weight	50 KGS				
	X, Y, Z Axis Travel (mm)	300 x 200 x 80				
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(4+L/50) μm				
Projector Screen	Screen Size (mm)	Ø 800				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	6'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	Ø80 mm	Ø40 mm	Ø16 mm	Ø8 mm
		Working Distance	206 mm	123 mm	85 mm	78 mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp			
		Surface Light Source	16V/150W Tungsten Halogen Lamp			
Power Supply		110V / 220V (AC) 50 / 60 Hz				
Overall Dimensions		L x W x H (mm) = 2130 x 1800 x 1950				
Weight		1910 KGS				

Horizontal Profile Projector

SP-1200 (three types)

SP-1200A-- Automatic Projector

SP-1200A is equipped with Renishaw metal raster and CNC automatic controller, achieving full-auto control measurement and data processing.

SP-1200B-- Digital Measuring Projector

SP-1200B is equipped with digital readout to make data processing, convenient for digital display.

SP-1200C-- Data Processing Projector

SP-1200C is equipped with computer, PCI card, two-coordinate measurement software and hand controller, achieving the power operated measurement.



- High-precision objective turntable is convenient for converting magnification and accurate in location.
- Worktable has a larger travel range and strong load capacity, suitable for measuring the large-sized parts;
- The deflection of worktable can be $\pm 15^\circ$, convenient for measuring helical parts;
- Advanced raster sensor digital display technology and data processing system can achieve high efficiency with little error;



Specifications:

Model		SP-1200				
Measuring Stage	Stage Size (mm)	880 x 230				
	Stage Loading Weight	100 KGS				
	X, Y, Z Axis Travel (mm)	300 x 200 x 60				
	Resolution of X, Y Axis	0.001mm				
	Accuracy	(4+L/50) μm				
Projector Screen	Screen Size (mm)	Ø 1200				
	Screen Rotary Range	0°-360°				
	Accuracy of the Rotary Angle	6'				
	Rotary Angle Resolution	1' or 0.01°				
Optical System	Lens	Magnification	10X	20X	50X	100X
		Object View	Ø120 mm	Ø60 mm	Ø24 mm	Ø12 mm
		Working Distance	300 mm	195 mm	120 mm	50 mm
	Illumination	Profile Light Source	24V/150W Tungsten Halogen Lamp			
		Surface Light Source	16V/150W Tungsten Halogen Lamp			
Power Supply		110V / 220V (AC) 50 / 60 Hz				
Overall Dimensions		L x W x H (mm) = 3500 x 2320 x 2250				
Weight		4000 KGS				