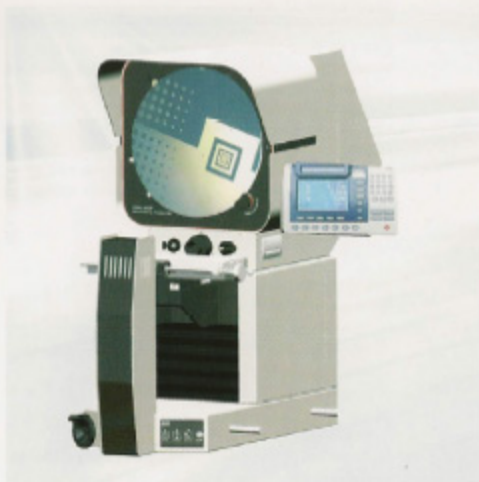


## Φ300mm Horizontal Profile Projector Pomeas HB12 Series



### Applied-fields:

HB12 is widely used for quality checking, researching and developing at the field of mechanic, electronic, rubber industry. It is a necessary instrument for 2D non-contact measurement in college, research institute and metrology department. HB12 is able to inspect all kinds of surface and outline of complicated work-pieces such as Template, Pressing work-pieces, Cam, Screw thread, Gear, etc.

### Characteristics:

- ◇ Sturdy metal design with novel shape;
- ◇ Excellent optical path with sharp image: magnification error < 0.08%;
- ◇ Large travel stage with precise accuracy: 3+L/75;
- ◇ DRO DP100 with powerful measurement and process functions;
- ◇ Touch panel switch protects operators' safe
- ◇ Cold surface optical fiber light source insures the unsealing for operators and undamaging for the tested specimens

### Specifications:

Worktable	Model	HB12-2010		HB12-2515		
	Metal table size	450×200 mm		450×200 mm		
	X-axis travel	200 mm		250 mm		
	Z-axis travel	100 mm		150 mm		
	Y-axis travel	100 mm (for focusing)		100 mm (for focusing)		
	Sway range	±15°		±15°		
	X, Z resolution	1 μm		1 μm		
Accuracy	≤(3+L/75)μm		≤(3+L/75)μm			
Dimension (length×width×high)	1300×590×1100 mm			1350×640×1150 mm		
Instruments net weight	180Kg			200Kg		
Screen	Screen diameter	Φ300 mm			Φ300 mm	
	Rotation range	0~360°			0~360°	
	Resolution of rotary angle	1' or 0.01°			1' or 0.01°	
Objective	Magnification	5X(opt.)	10X(std.)	20X(opt.)	50X(opt.)	100X(opt.)
	Object view-field	Φ60mm	Φ30mm	Φ15mm	Φ6mm	Φ3 mm
	Work distance	93.7mm	77.7mm	44.3mm	38.4 mm	25.3 mm
Digital readout	DP100 multifunction data processing system					
Illumination	Transmission illumination: 24V/150W, reverberation illumination: 21V/150W halogen lamp					
Power	AC110V/60Hz; 220V/50Hz, 400W					

#### Standard delivery:

Main instrument with worktable; DRO DP100; 10X objective & transmitted mirror; mini-printer.

#### Optional accessories:

20x, 50x & 100x objective & mirror; footswitch; angle & radius over-chart; Rotary-table; measuring software; working cupboard.

#### Recommended working cupboard: JT02B

Loading ≥ 250kg, Dimension (length×width×height) : 1000×560×800(mm)