

KASON-CPJ4025W Horizontal Profile Projector



Picture just for reference

I. Usage

Horizontal profile projector KASON-CPJ4025W is a photoelectric measuring system of high precision and efficiency, can inspect all kinds of surface and outline of the complicated work pieces such as cam, template, tread, gear, perform willing cutter and so on. The measurement data can be printed and output. It requires in the checking department and workshop and is widely used machinery, mould, tool, meter, and light industry.

II. Features

1. \varnothing 312 mm projection screen, with magnification error less than 0.06%.
2. Coating process reflector, clearer image and great dustproof.
3. Powerful Bi-axial fan cooling system, highly increase using life span.

4. All measurement results can be printed directly or transferred to computer for further processing.
5. Manufactured with top class components, under high standard of workmanship.
6. Digital Readout supports interchange between mm and inches.

III. Specification

Model		KASON-CPJ4025W			
Working table	Worktable Size(mm)	450*200			
	X-axis Stroke(mm)	250			
	Z-axis Stroke(mm)	150			
	Y-axis Stroke(mm)	100 for focus			
	Turning Range	$\pm 15^\circ$			
	Resolution(X-axis, Z-axis)	0.5 μm			
	Accuracy*(μm)	Ex, z $\leq (3.0+L/200)$			
Dimension	L*W*H(mm)	1215*646*1210			
Weight	Unit:(kg)	240			
Projector screen	Projected Image	Erect			
	Screen size(mm)	$\varnothing 425$			
	Screen Rotary Range	$0^\circ \sim 360^\circ$			
	Rotary Angle Resolution	1' or 0.01°			
	Projection Accuracy*	Contour: $\leq 0.06\%$, Surface: $\leq 0.06\%$			
Lens	Magnification	10X (standard)	20X (option)	50X (option)	100X (option)
	Object View(mm)	$\varnothing 40$	$\varnothing 20$	$\varnothing 8$	$\varnothing 3$
	Working Distance(mm)	103.9	95.1	65.7	35.0
Data processing system	DC-3000 Series DRO, appearing in English, can be used to gather dimension data and measure point, line, circle, angle and distance, etc.				
Illumination	Transmission: 24V/150W, cooling by fans. Reflection: 21V/150W, illuminated by two fibers, cooling by fans.				
Power	110V/220V(AC), 50/60HZ, Total power=400W				
Option	Mini-printer, Edge detector, M2D software and so on, Please refer to Appendix for more details.				

* All data is tested according to standard JJF1093-2002.
L is measured length (units: mm)

IV. Part of the Digital Readout DC-3000

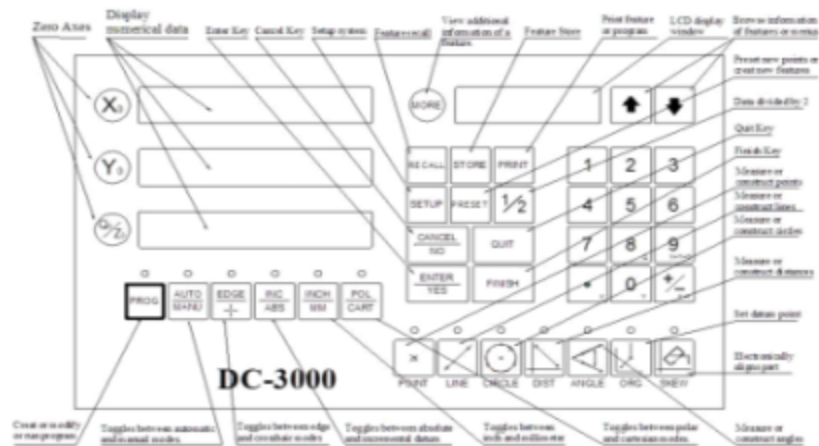
1. Two-dimensional measurement: measure width, length, both sides of the angle, the cone angle, the diameter of the cylinder, chamfering, straightness, roundness, cylindricity, perpendicularity, parallelism, etc.

2. User program: sequences of front panel key-presses can be stored as programs and replayed at a later date. This capability is especially useful when a series of identical parts must be measured.

3. Communication: with RS232 interface and printer interface, can export measurement data with a mini printer or a computer equipped with metrology software.

4. Measuring Unit: support mm or inch'

5. Language: Chinese, English, Portuguese.



V. Appendix



Standard Accessories

No.	Name	Picture	Description
1	Foot Switch		Help to make better point capture
2	Dust Cover		Protect instrument from dust P.S. Size varies according to P.P. model
3	User Files		Equipment Manual (English version), Certificates, etc.
4	Cable		Power cable

5	Spare Halogen Lamp		
6	Spare Fuse		
7	Carry Handle		

Option Accessories (For Profile Projector)

Code	Name	Picture	Description
8005104	20X objective		Objectives for horizontal type only
8005105	50X objective		
8005106	100X objective		
8004201	Glass Ruler		Mechanical calibration Model: GL200, 200mm, 1 um accuracy P.S. Suitable for HST-CPJ3020W
8004202			Mechanical calibration Model: GL300, 300mm, 1 um accuracy P.S. Suitable for HST-CPJ4025W,HST-CPJ6030W
8005301	R Chart		Model: RC300, Ø300mm Angle measurement assistance
8005202	Edge Detector		Model: ED300 Better edge detection
8005300	Metrology Software		Model: VMM3D™ For measurement when connected to PC P.S. Suggest get PC from KASON
8005207	Table		H300 P.S. Suitable for HST-CPJ3020W
8005208			H400 P.S. Suitable for HST-CPJ4025W

8005209			<p style="text-align: center;">H600</p> <p style="text-align: center;">P.S. Suitable for HST-CPJ6030W</p>
8004401	PC		<p>a. CPU: Intel \geq2.80GHz Dualcore</p> <p>b. ROM: \geq4 GB (DDR3 1600MHz)</p> <p>c. Hard drive/Flash drive: Industrial grade hard drive(\geq500GB)</p> <p>d. Graphic card and Display: chipset integrated 2D/3D graphics display, provide an on-board VGA interface, \geq21.5" LCD monitor</p> <p>e. Network: 865GV/Gon-board 10/100/1000 Base-T interface (adopt Intel82540EM network chip)</p> <p>f. USB interface: Two sets USB interface, support USB3.0, support USB boot</p> <p>g. Other I/O interface: Two sets RS-232 serial interface, one set parallel interface, four sets DE interface, support DMA33,66,100, one set floppy disk controller port, support two floppy disk controller, on-board support PS/2 mouse/keyboard interface, 13 trough PICMG PCI/ISA baseboard IM247</p> <p>h. Operation System: Official English ver. Windows 10 OS Pro. Ver</p> <p>i. Installed with AutoCAD, Office software customized by KASON</p> <p style="text-align: center;">P.S. Work with metrology software</p>

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