

PROFILE PROJECTOR GT-3015



I. Usage

GT series is a high cost performance, high efficiency, universal type vertical profile projector. It is mainly used for the measurement of the mechanical parts of the length, angle, contour and surface shape, can inspect all kinds of surface and outline of complicated work-pieces, cam, screw thread, gear, perform milling cutter and so on, widely used in meter, electron, aerospace machinery, light industry, college, research institute and measurement-inspecting department.

II. Features

It has good quality optical system, imaging lens clear and accurate magnification. In the transmission of the illumination, the profile measurement error is less than 0.06%. Coordinate measurement deviation is $E_{x, y} \leq (3.0 + L/200)\mu\text{m}$, L be regarded as the length of measured parts (mm). Instrument equipped with a dedicated mini-printer and foot switch, DC-3000 Digital Readout, which makes display and measuring very handy.

P. S The Digital Readout has a function of interchange between mm and inches

III. Technical Specifications

Model		GT-3015
Table	Metal Table Size (mm)	340 x152
	Glass Table Size (mm)	196 x 96
	X-axis Stroke (mm)	150
	Y-axis Stroke (mm)	50
	Z-axis Stroke (mm)	90 for focus
Measuring Accuracy*		Ex, y ≤ (3.0+L/200)pm
Resolution(X,Y)		0.5 pm
Projector Screen	Screen Size (mm)	∅ 312 Used range>∅ 300(with the meter line)
	Screen Rotary Range	0° ~ 360°
	Rotary Angle Resolution	1' or 0.01°
	Projection Accuracy*	Contour: ≤±0.06%, Surface: ≤ ±0.06%
Lens	Magnification	10X (standard) 20X, 50X , 100X
	Object View	∅30
	Working Distance	77.7mm
	Max. work piece height	80mm
DRO		DC-3000 Digital Readout, appearing in English, can be used to gather dimension data and measure point ,line, circle, angle and distance, etc.
Cooling		By fans
Illumination		24V/150W halogen transmitted illumination, 21V/150W halogen reflecting illumination
Power		110V/220V(AC);50/60HZ; Total Power Consumption 400W
Dimension (L*W*H, mm)		770 x 550 x 1100
Weight (kg)		180

* All data is tested according to standard JJF1093-2002.

L is measured length (units: mm)

IV. Structure

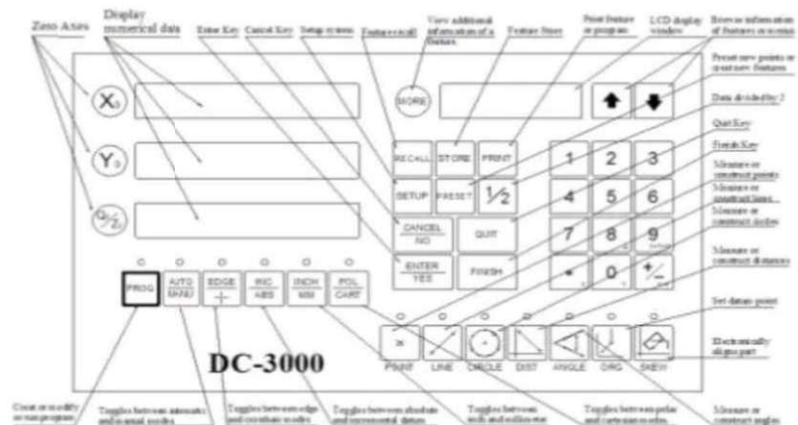
Machine View



V. 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.

VI. Appendix

Standard Accessories

No.	Name	Picture	Description
1	Foot Switch		Help to make better point capture
2	Dust Cover		Protect instrument from dust
3	User Files		Equipment Manual (English version), Certificates, etc.
4	Cable		Power cable
5	Spare Halogen Lamp		
6	Spare Fuse		
7	Carry Handle	