



Vertical Profile Projector CPJ-3000 Series

I. Usage

CPJ-3000 series is a high cost performance, high efficiency, universal type vertical profile projector developed by Yihui.



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 0.08%. Coordinate measurement deviation is $\leq (3.0 + L/200)$ μm , 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.

| | Model | CPJ-3015 | CPJ-3020 | CPJ-3025 |
|---------------------------------------|--------------------------------------------------------------------------------------------------|------------------|------------------|-----------------|
| Worktable | Metal Table Size(mm) | 340*152 | 404*228 | 450*280 |
| | Glass Table Size(mm) | 196*96 | 260 *160 | 306 *196 |
| | X Stroke(mm) | 150 | 200 | 250 |
| | Y Stroke(mm) | 50 | 100 | 150 |
| | Z Stroke(mm) | 90 focus | 90 focus | 90 focus |
| | Accuracy \times (μm) | 3.0+L/200 | 3.0+L/200 | 3.0+L/200 |
| Scale Resolution(X, Y):0.001/0.0005mm | | | | |
| Projector screen | Screen size (mm): \varnothing 312, Used range $>\varnothing$ 300 | | | |
| | Screen Rotary Range: 0°~360° | | | |
| | Resolution(X, Y):1' or 0.01° | | | |
| Lens | Lens : 10X(standard) 20X(option) 50X(option) 100X(option) | | | |
| | Object View(mm): | \varnothing 30 | \varnothing 15 | \varnothing 6 |
| | Working Distance(mm): | 77.7 | 44.3 | 38.4 |
| Data Processor | DC-3000, can be used to gather the data and measure the point, line, circle, angle and distance. | | | |
| Illumination | The illumination of transmission and reflection: 24V/150W-halogen lamp. | | | |
| Power | 110V/220V(AC), 50/60HZ, Total power:400W | | | |
| Cooling | Forced cooling | | | |
| Optional | Mini-printer, Edge detector, M2D software and so on | | | |