



# PROFILE PROJECTORS

**MODEL : RP-50**

PROFILE PROJECTORS



**HIGH CONTRAST, CLEAR IMAGE AND ACCURATE MAGNIFICATIONS**

Profile Projectors are designed to facilitate high contrast contour & surface measurements of relatively large objects ensuring high accuracy in dimensional measurements, surface inspection to meet the critical demands of industries. The versatility of these models lie in sharp, crisp, brilliant & well defined magnified images suitable for edge to edge inspection & measurements. The Projectors are having an inclined, unobstructed screen in front allowing close examination and comfortable viewing position. The cross travel stage with large working area offers high precision in straightness for each axis movement and in squareness for cross travel. The stage moves smoothly on the roller bearings and V-grooves.

### SPECIFICATION

Screen	: Antiglare hard glass screen, dia. 500mm. rotatable through 360° having least count 1 minute of an arc. Provided with four clips to hold overlay charts and drawings.
Mirrors	: Optically true with surface hard coated to ensure optimum light reflection for best image contrast and edge to edge sharpness on the projection screen.
Contour Illumination	: Contour illumination is provided with a 24V/150W halogen lamp and a built in condenser. The illumination can be adjusted
EPI-Illumination	: A specially designed 12V/100W halogen ensures surface illumination system for the above with a clamping device. This provides shadow less light on the optical axis for inspection of cavities etc.
Electrical	: Mains input 220-240 volts AC having built in transformers, On-Off Switch, intensity controller, indicator and glass fuse.
Accuracy	: Projection accuracy $\pm 0.1\%$ for contour illumination and $\pm 0.15\%$ for surface illumination.
Work Stage	: 350 x 200mm
Stage Travel x-y axis	: 150 x 100mm
Focusing Range	: 100mm
Protactor Screen	: 360° Rotation with 2 minutes vernier resolution
Magnification - Standard	: 10x standard
Magnification - Optional	: 20x, 25x, 50x, and 100x.
Magnification Accuracy	: $\pm 0.05\%$ on contour and $\pm 0.1\%$ on surface
Lens Mounting	: 3 turret type for safety and easy use Resolution 0.005 (0.001mm - option)
Measuring System	: With Mech. Micrometer 0-25mm./D.R.O./Data Processor (selectable), (optional PC based software)
Illumination	: 24V, 150W Halogen, Forced Air cooled, Light intensity controller for variable backgrounds
Filter colour	: Green
Power Supply	: AC Single Phase 230V, 50Hz
Standard Accessories	: 2 nos. Projection lamps, Operating manual, Calibrations Certificate, etc.

Manufacturers & Exporters :

***Radical Scientific Equipments Pvt. Ltd.***

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