

MODEL 24LD VERTICAL BEAM

The 24LD is a large screen comparator with a compact size and a competitive price. The 24LD has the largest travel in its class. The availability of standard and custom tooling makes this an extremely versatile machine capable of inspecting a wide variety of parts. Typical applications include inspection of electronic components, stampings, surgical equipment, molded and extruded parts as well as machined parts of all shapes. The 24" angled screen is also ideal for tracing magnified drawings on the screen and reverse engineering projects.

FEATURES:

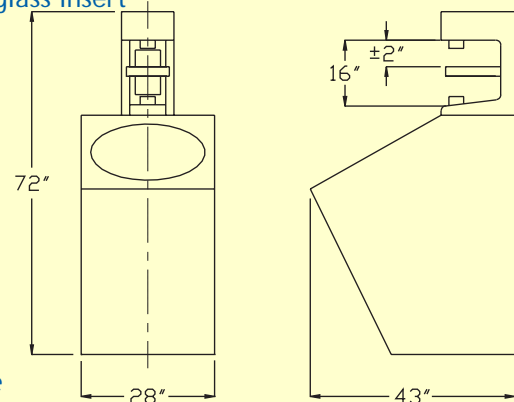
- 24"(600mm) Angled screen for optimum viewing of a reversed image
- High resolution ground glass screen with calibration reticle, 90 degree cross lines and chart clips
- Output for electronic rotary screen protractor with selectable 1 minute or 1/100 of a degree resolution
- Machined chart ring with vernier protractor
- High specification table (Part # 6x4MN-1)
 - 35 lbs. Stage capacity
 - 11" x 7.4" Overall size
 - 7" x 4.5" Glass insert
 - 6" x 4" Travel
 - 4" Focus travel
 - +/- 15 Degree helix adjustment
 - Crossed roller bearings on all 3 axes
- Quartz halogen light source. Fan cooled and electronically dimmed for long lamp life
- Coated telecentric parfocal optics
- Optional surface illumination
- Internal or external edge detection available
- Welded plate steel case fabrication
- NIST traceable calibration certificate
- 2 Year limited warranty



TECHNICAL SPECIFICATIONS

Illumination	Profile: Built-in 24V/150W direct collimated halogen Optional surface: Built in fiber optic cables, or coaxial adapter
Screen Size	24" (600mm) Ground glass with cross-lines
Workstage	Nickel plated 11" x 7.4" with 7" x 4.5" glass insert
Workstage Travel	X = 6" (150mm) Y = 4" (100mm) Focus = 4" (100 mm) Helix rotation = +/- 15 degree
Workstage Options	Static Fixture Plate, part# SFP 12"x4" Travel, part# 12X4MX
Workstage Accuracy	Within +/- 0.004mm +[(L/20).001]
Linear Scale Resolution	Standard: 0.001mm/.00005" Optional: 0.0005mm/.000020"
Repeatability	+/- 1 Scale count (0.001mm/.00005")
Coated Telecentric Lenses	5x, 10x, 20x, 25x, 50x, 100x, 200X
Optical Accuracy	Within +/- .10% Profile, +/- .15% Surface
Power Requirements	120V or 240V AC, 50/60 Hz, 10 Amp
Weight	445 lbs. / 200 kg

DIMENSIONS



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