

MODEL 24P HORIZONTAL BEAM

The 24P was designed to be an all purpose inspection instrument capable of performing both light and heavy duty inspection tasks. Choose any workstage and lens system to customize this machine to match your requirements.

Optional: **OPTICS BY Nikon**

FEATURES:

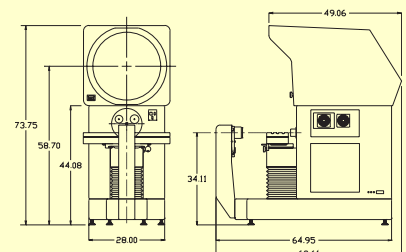
- 24"(600mm) Vertical screen for optimum viewing
- Erect profile image with fully corrected surface reflection image or optional fully corrected image
- High resolution ground glass screen with calibration reticle, 90 degree cross lines and chart clips
- Machined chart ring with vernier protractor
- Coated telecentric parfocal optics
- Output for electronic rotary screen protractor with selectable 1 minute or 1/100 of a degree resolution
- 3 position rotary lens & condenser turret (6 position optional)
- Quartz halogen profile light source 24V, 150W
- Bright 250W fiber optic surface illumination
- Extra bright through lens surface illumination with Nikon lens option
- Integrated hood
- Nickel plated, completely cast iron workstage
 - Triple universal dovetails
 - 36" x 8" overall size
 - Solid crossed roller stage system
 - 500 lbs. capacity
 - 18" X axis motorized adjustment
 - 10" Y axis motorized adjustment
 - ±15 degree true parfocal helix table adjustment, with 5 minute vernier
 - Computerized microstep motor controller with X and Y axes joystick control
- Available with internal edge sensing
- NIST traceable calibration certificate
- 2 Year limited warranty



TECHNICAL SPECIFICATIONS

Illumination	Profile: Built-in 24V/150W direct collimated halogen
Screen Size	Surface: Built-in 24V/250W via fiber optics
Workstage	24" (600mm) Ground glass with cross-lines
Workstage Travel	Cast iron, nickel plated, 36" x 8" triple dovetail
	X = 18" (460mm) motorized
	Y = 10" (250mm) motorized
	Focus = 3" (75mm) manual, optional motorized
	True parfocal helix rotation = +/- 15 degree, 5 minute vernier
Workstage Options	30"x14"x6" Maximum extended travel
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
	Precision Nikon optics also available, contact us for specifics
Optical accuracy	Within +/- .10% Profile, +/- .15% Surface
Power requirements	120V or 240V AC, 50/60 Hz, 10 Amp
Weight	2950 lbs. / 1340 kg.

DIMENSIONS



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