

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

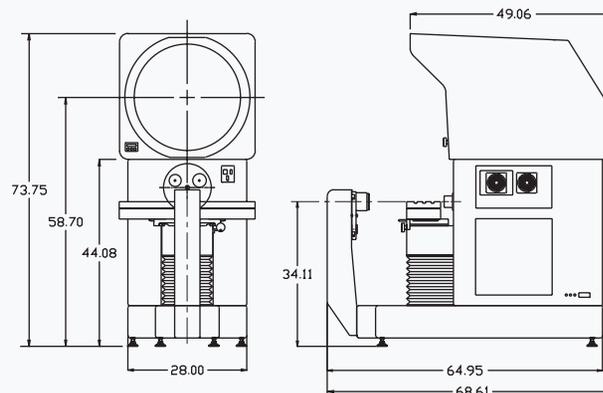
## FEATURES:

- ✓ 24" (600mm) Vertical screen for optimum viewing
- ✓ Erect and reversed profile image
- ✓ High resolution ground glass screen with calibration reticle, 90 degree cross lines
- ✓ Machined chart ring with vernier protractor, 1 minute graduation, and chart clips
- ✓ Coated telecentric parfocal optics
- ✓ 3 position rotary lens & condenser turret (4 position optional)
- ✓ Quartz halogen profile light source 24V, 150W
- ✓ Bright 250W fiber optic surface illumination
- ✓ Solid cast iron, nickel plated stage
  - › Triple universal dovetails accomodate wide range of fixtures
  - › 36" x 8" (914x200mm)overall size
  - › Crossed roller bearings for superior performance
  - › 500 lbs capacity
  - › 24"(610mm) X-axis motorized travel
  - › 10" (250mm)Y-axis motorized travel
  - › 3" Motorized focus travel
  - › Linear scale resolution 0.00025mm/.00001"
  - › ±15 degree true parfocal helix stage adjustment, with 5 minute vernier
  - › Joystick control, computerized microstep motor controller with X and Y axes & focus
- ✓ w/hood
- ✓ NIST traceable calibration certificate
- ✓ 2 Year limited warranty

## OPTIONAL FEATURES:

- ✓ Internal edge detection
- ✓ Nikon optics
- ✓ Output for electronic rotary screen protractor (Q-axis) with selectable 1 minute or 1/100 of a degree resolution
- ✓ Choice of readout options, see pages 11-13
- ✓ CNC computer controlled readout systems
- ✓ Extra bright through lens surface illumination with Nikon lens option
- ✓ Harsh Environment package
- ✓ Wide selection of lenses
- ✓ Extended hood & curtains
- ✓ Tooling

## DIMENSIONS



Technical Specification	
<b>Illumination</b>	Profile: Built-in 24V/150W direct collimated halogen Surface: Built-in 24V/250W via fiber optics
<b>Screen Size</b>	24" (600mm) Ground glass with cross-lines
<b>Stage</b>	Cast iron, nickel plated, 36" x 8", triple dovetails
<b>Stage Travel</b>	X = 24" (610mm), Motorized Y = 10" (250mm), Motorized Focus = 3" (75mm), Motorized
<b>Stage Accuracy</b>	Within +/- 0.004mm +{(L/20).001}
<b>Linear Scale Resolution</b>	Standard: 0.00025mm/.00001"
<b>Repeatability of Scales</b>	+/- 1 Scale count (0.0005mm/.00002")
<b>Coated Telecentric Lenses</b>	5x, 10x, 20x, 31.25x, 25x, 50x, 62.5x, 100x, 200x
<b>Optical Accuracy</b>	Within +/- .10% Profile, +/- .15% Surface
<b>Power Requirements</b>	120V or 240V AC, 50/60 Hz, 10 Amp
<b>Weight</b>	1980 lbs/898 kg