

QVI® QL-30 Contour Projector®

The **QL-30** is an ultra-high capacity optical comparator that offers a large, bright image and compact footprint.

With the 30 inch diameter screen at eye level and easy access to parts and fixtures, the QL-30 is designed to provide great performance right where you need it.

- Standard mercury-arc profile lighting and optional mercury-arc surface light
- Rotary screen ring makes for highly accurate rotational measurements
- Rigid construction and heavy duty components ensure long-term reliability
- Optional VidiProbe™ video measurement and eCAD® virtual chart gage systems offer full automation

Ultra-High Capacity Optical Comparator



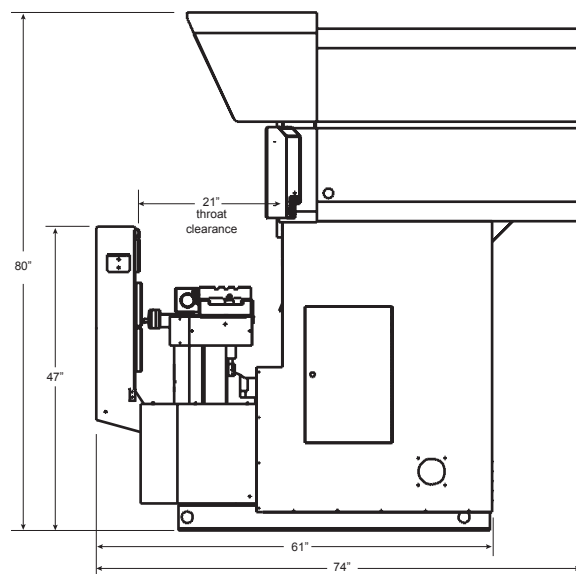
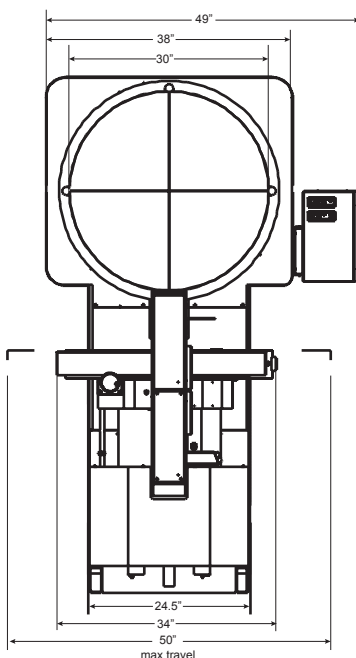
Available Options and Accessories:

- Extended X and Y-axis travel
- Adjustable iris assembly
- Digital video screen image capture
- EdgeScan internal automatic edge detection (requires a Quadra-Chek DRO)
- Projectron® automatic grayscale edge detection (requires a Q-Check DRO)
- VidiProbe™ Video Measurement
- Fixture and calibration reticles
- Overhead light shield
- Glass and plastic overlay charts
- High magnification collimator
- Swing away lamphouse
- Surface illuminator concentrator (reduces FOV at selected mag)
- Rotary Indexer
- Service and support contracts

Optional Software:

- Measure-X® 2D Metrology Software
- MeasureFit® Plus
- SmartReport® with real-time statistics
- Quadra-Chek® QC-Wedge (requires Microsoft® Excel™)
- eCAD® for electronic CAD overlay & virtual chart systems
- eChek™ Metrology Software

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Crated Weight: 2,345 lb
Crated Weight for Export: 2,700 lb

	Standard	Optional
XY Travel Range (in)	15 x 9	15 x 10, 18 x 9, 18 x 10
Helix Angle Range		±7.5° with pivoting worktable assembly and zero stop
Z Focus Travel (in)	3" with precision fine adjustment	
Throat Clearance (in)	20	
XY Scale Resolution (in)	0.00004	0.00002
XY Drive System	Motorized, DC servo, with variable speed joystick and X & Y axis manual fine adjustment	
Worktable (in)	Heavy duty cast iron nickel plated worktable, 32 x 8	
Recommended Maximum Load Capacity (lb)	250	
Optical System	Telecentric with upright, un-reversed image	
Screen	30" diameter ground glass screen, with mounts in a precision rotary screen ring, 90° centerlines and clips for mounting standard overlay charts	
Protractor	Screen rotation protractor with ± 360° motion, digital display, 0.01° or 1' display	
Working Distance (in)	8.4	
Lens	10X	20X, 31.25X, 50X, 62.5X, 100X
Lens Mount	Fixed, one position mount	Motorized 5 position lens turret
Illumination	200W mercury arc direct projection with green filter	200W mercury arc surface
Electronics	QVI Q-Check® or Q-Touch™	Quadra-Chek QC-200 or QC-300
Power Requirements	115 VAC, 60 Hz, 1φ, 2500W	



Quality Vision International • 850 Hudson Avenue • Rochester, NY 14621 • USA
 Phone: (585) 758-1300
 Fax: (585) 544-8092
 Distributor_Products@qvii.com
 www.qvii.com