



Precision for People



# Measure-X<sup>®</sup> 2D

## Video Measurement Software

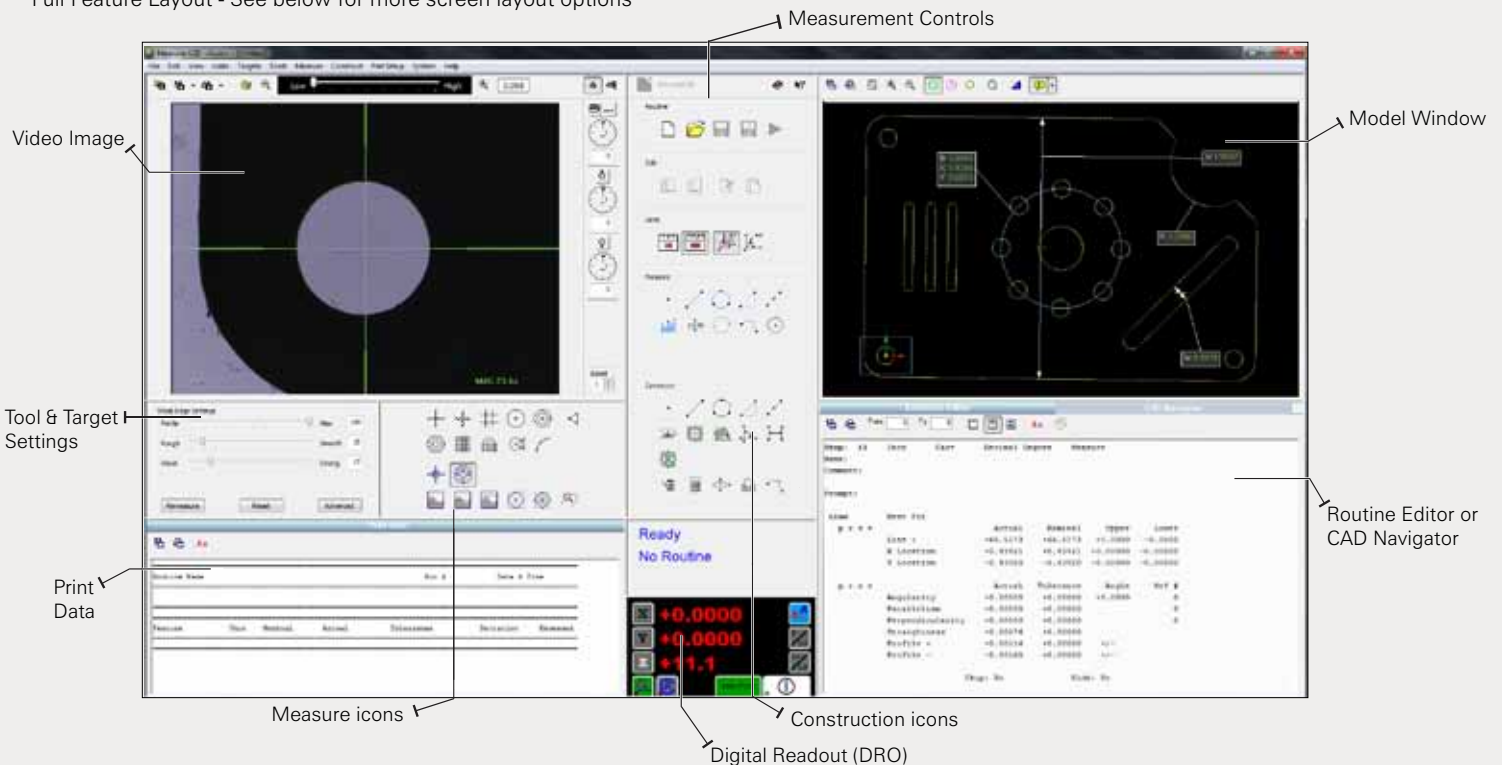
Simple • Complete • Measure-X

# The World's Most Popular Metrology Software

Measure-X<sup>®</sup> 2D from QVI<sup>®</sup> makes measurement systems from CCP industry favorites. Measure-X 2D when paired with VidiProbe<sup>™</sup> transforms the traditional optical comparator into a fully automatic inspection system, available on the CC-14, CC-16 and CC-20. Measure-X 2D is also standard on the CC-V - Video Contour Projector.

## Easy to Use Screen Layout

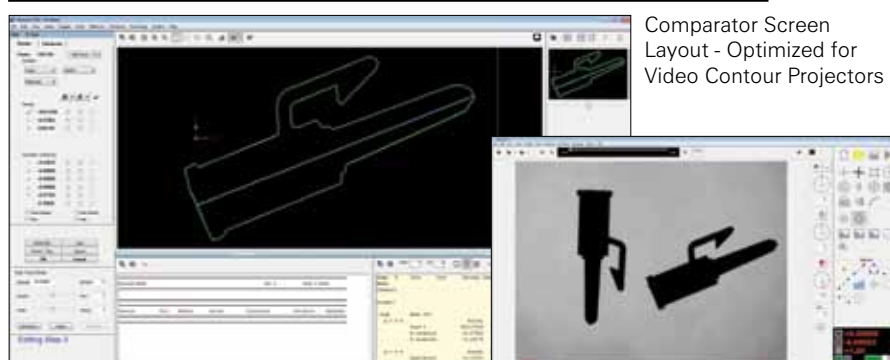
Full Feature Layout - See below for more screen layout options



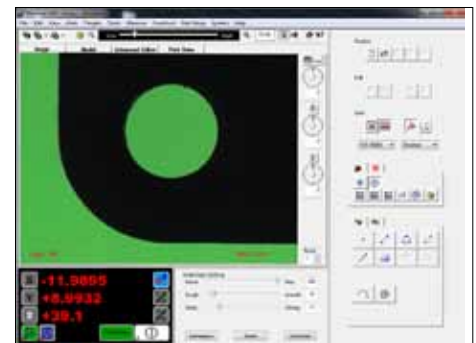
## The Tools You Need At Your Fingertips

- FeatureFinder<sup>®</sup>** is a smart tool that automatically measures lines, arcs, and circles
- Edge Trace** provides user-defined high density point measurement along any edge of a feature or contour
- Centroid** automatically measures area and center point of irregular shapes
- Strong Edge** is a directional video tool that searches for edges inside or outside the field of view
- Weak Edge** targets allow selection of the correct edge, even when there are stronger edges in the search area

## Select The Screen Layout That Fits Your Needs



Comparator Screen Layout - Optimized for Video Contour Projectors



Classic Layout

## Simple to Use

### Easy Part Routine Set-Up And Operation

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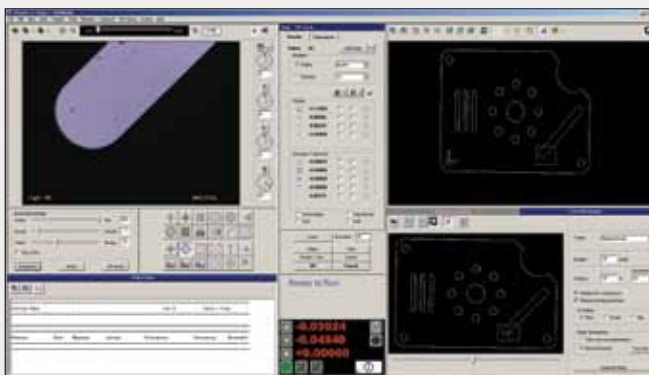
#### Walk-Up & Measure

Position, and measure a part feature using video, then go on to other features to incrementally build a virtual model of the entire part. Measure relationships directly in the model window, set axis alignments and define datums, create constructions to gather more measurements and define relationships between discrete part features. Each action becomes a step in a part routine you can save to repeat automatically.



### Program From CAD

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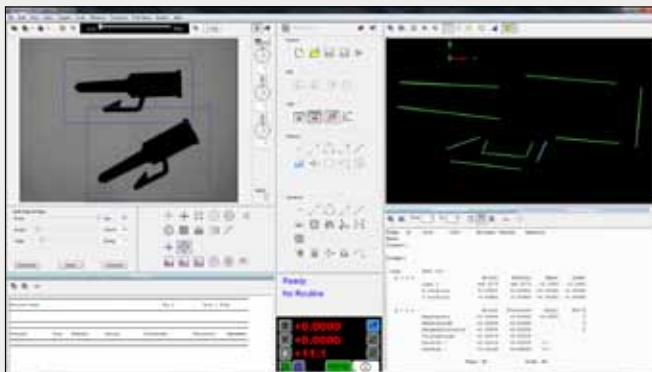


#### Direct From CAD

Import DXF and other popular 2D CAD file formats for automatic generation of measurement routines. Simply load the CAD file, and select features to be measured. Measure-X does the programming for you.

### Run Without Fixturing

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#### AutoCorrelate

Simply place parts on the stage and press run. Measure-X 2D will recognize the parts and measure them automatically. No fixture or manual alignment is needed.

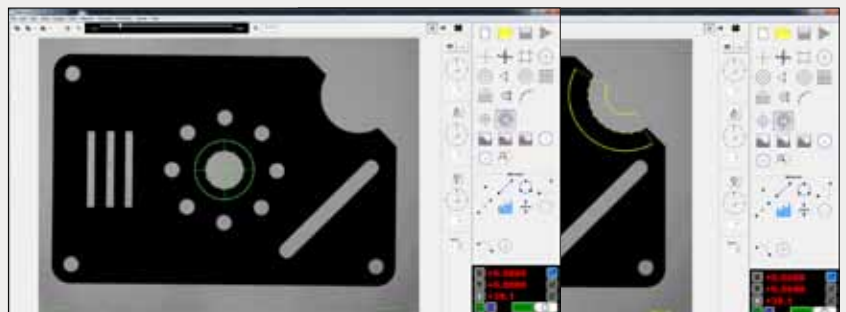


### Quick Click & Measure

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#### FeatureFinder

Simply double-click a part feature in the video window and FeatureFinder will automatically measure it, eliminating outliers automatically. This unique tool eliminates tedious steps when measuring parts.

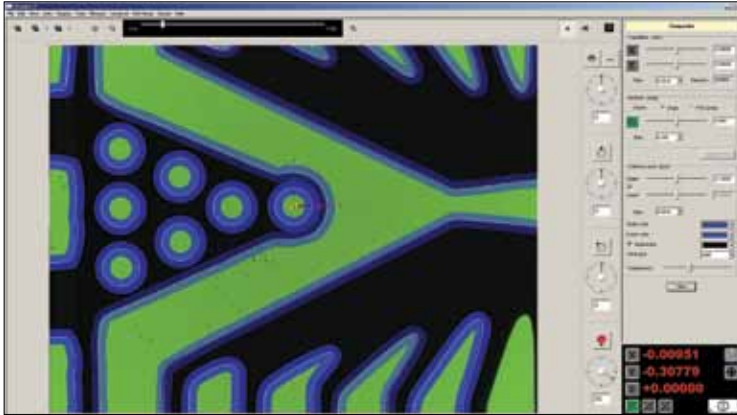




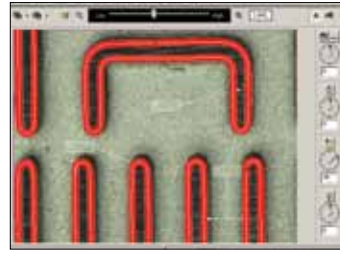
# Advanced Features

## Complete Capabilities

### Comparator Mode



Comparator Mode with Profile Light

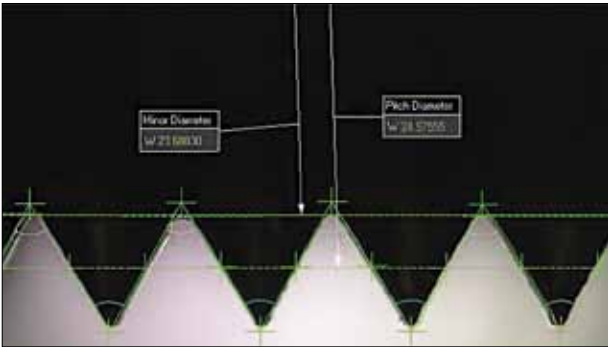


Comparator Mode with Surface Light

Simple to use Comparator Mode overlays the part model and tolerance bands on the video image for direct visual comparison of the actual and nominal dimensions.

Comparator mode works equally well with either backlight or surface light.

### Advanced Line Constructions



Measure-X allows for four different types of line constructions:

**Line** - construct between two features or points.

**Tangent** - For non-intersecting circles. Create easy tangent lines between circles for simple measurement.

**Perpendicular** - Create a line perpendicular to a line or through a circle.

**Bisector** - bisect an intersection, dividing two equal angles. Report measured angle or supplemental angle.

### Exclusive Measurement Features

- Full video field of view image processing provides high speed part measurement
- Create Routines Offline - Use Measure-X 2D offline to create, edit and run part routines using a saved video image
- Interactive Labels & Flyouts - Create labels for critical dimensions directly in the model or image windows
- CAD Overlay - Projects CAD drawing along with tolerance bands on the live image
- CAD Navigator - Optional CAD Navigator allows effortless part programming in the CAD model
- Click and Drive Navigation - CAD Navigator allows positioning on the part by simply clicking on the CAD model
- Assign feature names to appear as flyouts in the model window and in data reports
- Save, name and recall datum structures
- Construct points from math steps for unlimited geometry constructions
- Multiple languages support included



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