

# Galileo EZ

## MEASUREMENT & INSPECTION SYSTEMS



## Precision & Value

The New Galileo EZ From Starrett Kinematic is a general-purpose video-based measurement system ideal for quality assurance and inspection labs, and manufacturing, assembly and research facilities.

A precision mechanical bearing X-Y-Z stage and column translates data accurately and repeatably to a dedicated geometric readout.



The EZ200 (above) and EZ300 (left) are also available in a CNC version with the QC300 package.



## Features

- **EZ200:** 200mm x 100mm (8" x 4") X-Y measuring platform with 150mm (6") of Z-travel
- **EZ300:** 300mm x 150mm (12" x 6") X-Y measuring platform with 125mm (5") of Z-travel
- Dual output 150 watt, fiber optic or LED illuminator

## Options & Accessories

- Z-Axis measuring capability
- 0.5x auxiliary lens
- 2.0x auxiliary lens
- Standards for system calibration and optical verification
- Co-axial illumination and 3-light illuminator
- LED illumination
- System workstations

## System Specifications

- Accuracy, X-Y:  $E1=3.5+5L/1000$
- Resolution: 0.0005mm (.00002")
- Maximum Workload: 9 kg (20 lbs)
- Video Camera: Hi-resolution color 1/3" CCD NTSC
- Zoom Magnification: 6.5 to 1 video zoom optics offering 12 to 300x magnification with auxiliary lens
- 1/3" CCD hi-resolution color video camera
- 0.5  $\mu$ m resolution scales standard
- Complete with the Quadra-Chek® QC-300 or QC-200 display
- Fiber optic or LED ring light and collimated substage light
- Calibrated and certified for system accuracy
- One year warranty



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### Quadra-Chek 200

Galileo EZ systems are available with the industry standard QC-200 display. QC-200 based systems require a video monitor and crosshair generator.

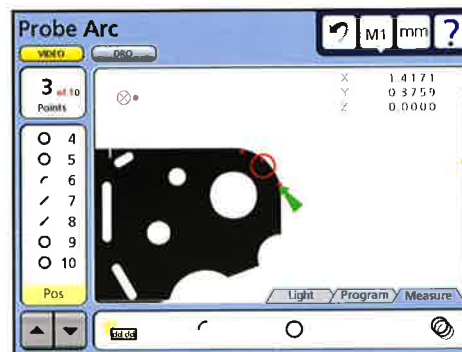


- Inch/metric conversion, incremental or absolute measurement, zero reset
- Linear error compensation
- RS232C interface
- Skew function for part alignment correction
- Form indication (roundness, etc.)
- Part programming
- Point, Arc, Circle, Distance, and Angle measuring ability with GD & T

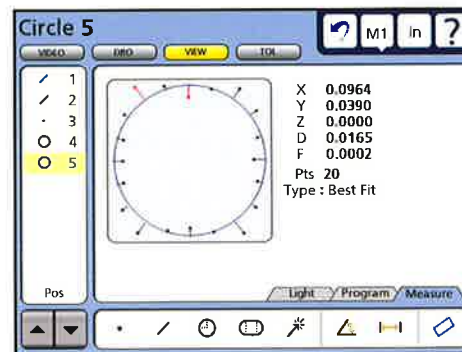
### Quadra-Chek 300

The video capabilities of the QC-300 are utilized by the Galileo EZ Vision System. The QC-300's geometric readout features an enhanced touch-screen interface, built-in live video display, video edge detection (VED), image capture, and image archiving.

- LCD 8.4" color touch screen
- Inputs: External connections including foot switch, remote keypad, RS232C serial port, parallel port and USB port
- All features of the QC-200
- Video edge detection (VED)
- Graphical display for tolerance, features, etc.
- Image archive allows image capture and adding text for reporting



Above: Video Edge Detection (VED) screen image and the Data cloud graphic showing form error.



### Data Point Entry

- Two styles of manual crosshair
- Single edge video tool enables automatic entry of single points
- Multi-edge video tool allows simultaneous entry of multiple points
- Nine color options for the crosshair and video tools to fit the requirements of virtually any color part



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