



High Precision Measurements and Measurement Statistics

Powerful & Easy To Use

VisionGauge® is a powerful tool for non-contact visual measurements. It uses advanced edge-detection technology that produces sub-pixel accuracy, increases measurement repeatability and virtually eliminates operator-dependent measurement error.

VisionGauge® is very simple to use and supports a wide range of measurement tools: from simple point-to-point measurements, diameters, radii, angles and XY calipers to skew-corrected parallel hash-lines and powerful and flexible marker-to-marker measurements, as well as fully-automated measurement tools (e.g. line width).

Computing Measurement Statistics

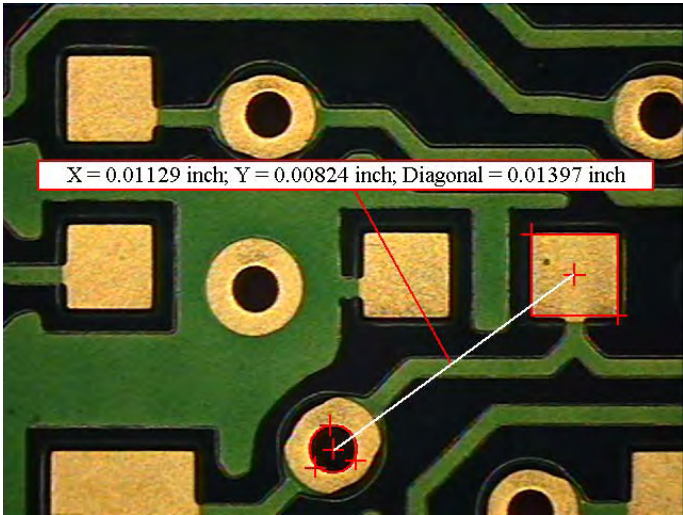
You can use VisionGauge® to compute measurement statistics, including sample mean, median, minimum and maximum, variance and standard deviation, as well as process capability statistics (i.e. C_p and C_{pk}).

With VisionGauge®, it is easy to manage all of your data (i.e. images, measurements and statistics):

- ▶ Link, store and recall all of your data with the easy-to-use integrated database and report generator
- ▶ Save the information to disk
- ▶ Print the information
- ▶ Seamlessly transfer the information to other application

Example

Here is an example of a simple marker-to-marker measurement. In this case, we are measuring from the center of the hole to the center of the pad. X, Y and "straight line" distances are shown:



Measurement Statistics:

Num.: 35
 Min.: 0.01394 inch
 Max.: 0.01399 inch
 Mean: 0.01397 inch
 Median: 0.01397 inch
 Variance: 0.00000 inch ^2
 Std. Dev.: 0.00001 inch

Process Capability:

Upper specification limit: 0.01410 inch
 Lower specification limit: 0.01380 inch

C_p : 3.96458 inch
 $C_{pk}(+)$: 3.49459 inch
 $C_{pk}(-)$: 4.43457 inch