



VisionGauge® OnLine

Powerful

Accurate

Fast

Easy to setup & use

**State-of-the-art
vision tools**

Flexible



Easy data export

**Intuitive Windows™
interface**

**Save & recall multiple
programs (i.e. "recipes")**

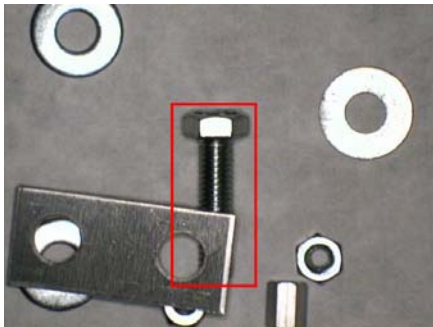
**Operator / supervisor
level password
protection**

**Easy to interface to
external equipment and
machinery**

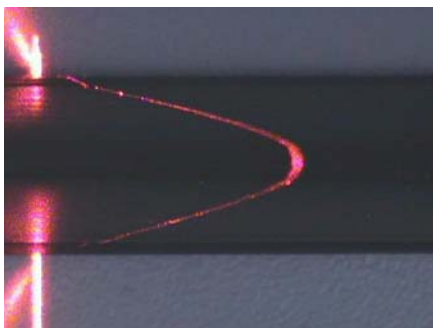
VisionGauge® OnLine allows you to simply and cost-effectively solve a wide range of difficult machine vision, automated inspection, verification, measurement and data collection applications.

Extensive powerful toolset:

- Alignment & Registration
- Pattern Matching
- High-Accuracy Measurement
- 3D LASER Profiling
- Analysis
- Defect Detection
- Assembly Verification
- Optical Character Recognition & Verification
- Blob Analysis
- Color Verification
- Presence / Absence Detection
- Object Counting & Sizing
- And many more...



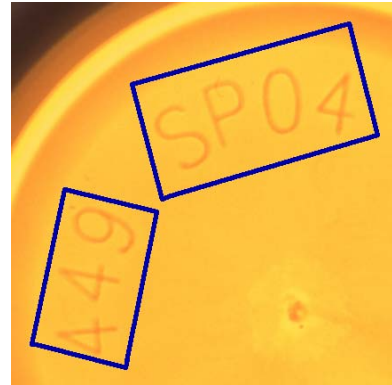
Fast, Accurate & Robust
Pattern Matching



LASER Profiling for Fast and
Accurate 3D Measurement



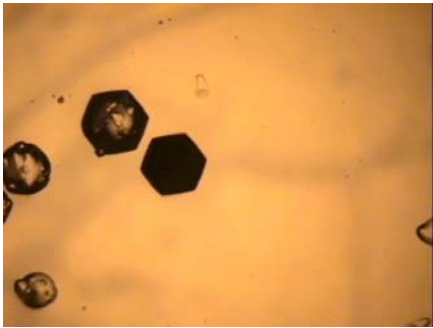
Live Image Overlay Builder
with Support for
DXF Format CAD Files:
Compare your Part to the
CAD Drawing



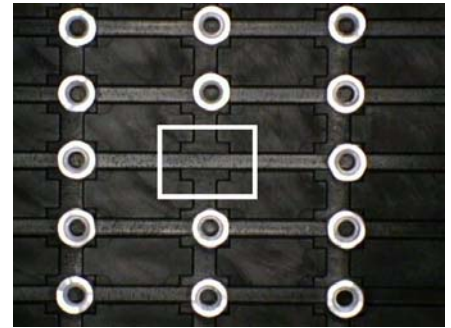
Optical Character
Recognition & Verification
(OCR/OCV)

Automatic, built-in support and
optimizations for:

- Hyper-threading processors
- Multi-processor computers
- Programmable computer-controlled illumination
- Motorized optics ("*power zoom*")
- Motorized stages and columns (up to 20 axes of either stepper or servo motion)
- Auto focus (fast & accurate)
- Etc...



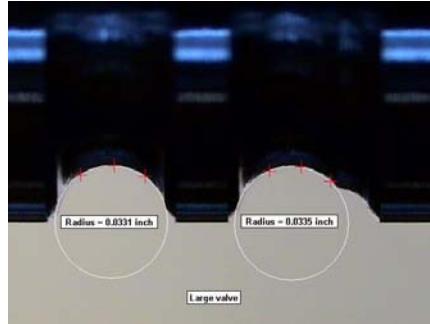
Defect Detection



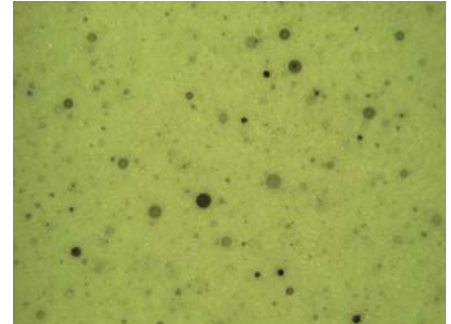
Presence / Absence Detection



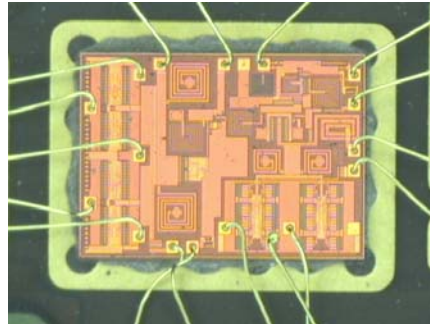
Pass / Fail Testing



High-Accuracy Measurements



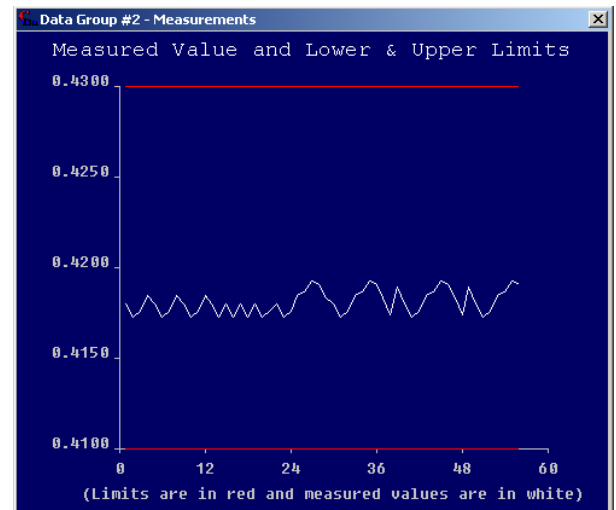
Automated Image Analysis



Conformity Verification

No.	Measured value	Lower limit	Upper limit	Pass / Fail
47	0.4183	0.4100	0.4300	Pass
48	0.4173	0.4100	0.4300	Pass
49	0.4189	0.4100	0.4300	Pass
50	0.4180	0.4100	0.4300	Pass
51	0.4172	0.4100	0.4300	Pass
52	0.4175	0.4100	0.4300	Pass
53	0.4185	0.4100	0.4300	Pass
54	0.4186	0.4100	0.4300	Pass
55	0.4192	0.4100	0.4300	Pass
56	0.4190	0.4100	0.4300	Pass

Statistics	
Num.:	56
Min.:	0.4172
Max.:	0.4192
Range:	0.0020
Average:	0.4181
Median:	0.4180
Variance:	0.0000
Std.Dev.:	0.0007
Upper limit:	0.0000
Lower limit:	0.0000
Cp:	0.0000
CpK+:	208.6937
CpK-:	208.6937
Num. Pass:	56
Num. Fail:	0
Pass rate (%):	100.000
Fail rate (%):	0.000



Collect Images, Measurements, Statistics and Results using Data Groups.
 Create Real-Time Graphs & Charts for Operator Review.
 Automatically Export Results to Excel™ or Other Applications.

VisionGauge® OnLine is very competitively priced and can be supplied as a complete inspection system, including computer, optics, lighting, camera and positioning & focusing mechanism, or as a board level and software product.

VisionGauge® OnLine is hardware-independent and is compatible with a wide range of video acquisition devices. VisionGauge® OnLine runs under Windows 95™ / 98™ / NT™ / 2000™ / XP™ / Vista™.

VisionGauge® OnLine is suited to both end-user and OEM applications.

VisionGauge® OnLine comes with a demo CD with tutorials and also includes many sample programs that you can use, adapt and modify to solve your specific application.

VisionGauge® OnLine includes a full year membership to the renewable **VisionGauge® OnLine Annual Support and Update Program**, which entitles you to receive free software updates and unlimited support by phone, fax and email.



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