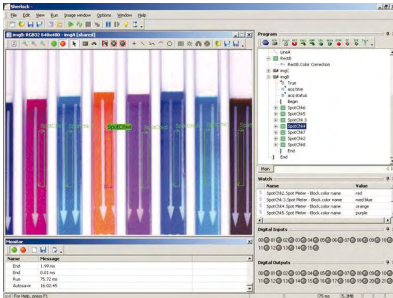


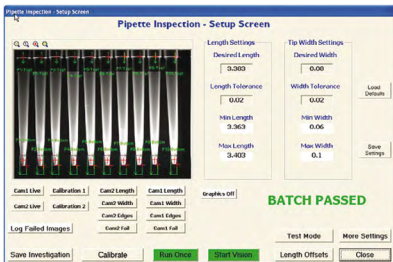
Sherlock Vision System Software



The Choice Among Integrators

Sherlock™ is an advanced machine vision software interface that can be applied to a wide variety of automated inspection applications. It offers maximum design flexibility and provides a rich suite of proven tools and capabilities that have been deployed in thousands of installations world-wide. With a keen eye for detail, our inspector will help you:

- » Improve customer satisfaction by detecting defects early in the manufacturing cycle
- » Increase productivity through automated 24/7 operation
- » Reduce production costs by improving yield and redeploying skilled inspectors to other priority tasks



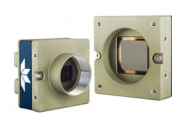
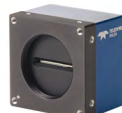
Powerful Development Interface

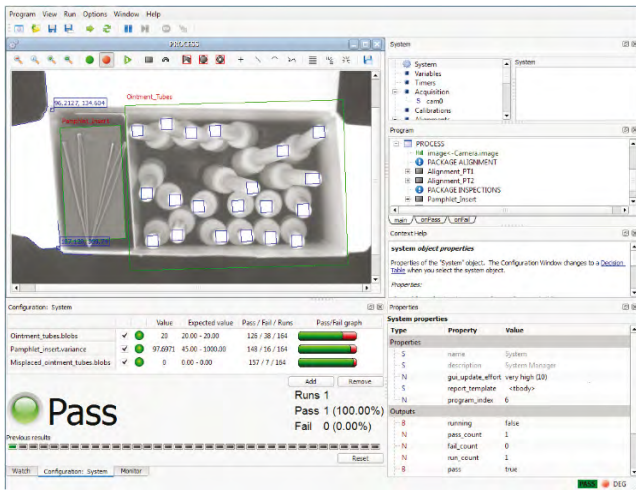
- » Graphical point and click program construction enables rapid prototyping
- » Moveable and resizable windows offer optimal developer layout
- » Versatile Region Of Interest options for processing flexibility
- » Monitor and reporting windows provide immediate status feedback
- » Instruction tool bars allow quick access to program functions
- » Built-in editing and debug tools

PASS

Camera Flexibility

- » Full support for Teledyne DALSA analog and digital (CameraLink) frame grabbers
- » Compatible with both Area and Line scan cameras with mono and/or color format imagers
- » Directly connects to Firewire, GigE and USB cameras
- » Allows mixing of imager type, resolution and interface in the same application
- » Supports synchronous and asynchronous triggering





Robust Tools & Communication

- » Image correction and measurement translation
- » Standard tools include: Search (pattern finding), ID readers, character readers (OCR), measurement and counting tools, contour tools, laser profiling tools (3D), texture and color classifiers
- » Provides capabilities for custom inline and background scripting
- » Supports a variety of communication methods (I/O, serial, Ethernet/IP) and protocols for factory integration

Positioning Tools

Advance pattern finding tools for object alignment and robot guidance.

Preprocessors

Extensive set of conditioning functions that can be applied to a ROI prior to analysis.

Regions of Interest (ROI) Processing Shapes

Flexible Area and Line ROI selection; Rectangle, Annulus, Polygon, Torus, Circle, Arc, Point, Polyline, Rake, Rainbow, Bulls-eye and Spoke.

Measurement Tools

Precise tools for computing the dimensions on a variety of parts and shapes.

Analysis Tools

Tools for finding and counting edges, extracting and analyzing features, detecting contrast variation and performing statistical analysis.

Calibration Tools

Correct for linear, nonlinear and perspective image distortion. Convert camera pixel to real-world coordinates.

Color Tools

Learn colors for monitoring, classifying, sorting, tracking and counting objects.

Reader (Identification) Tools

Reads and verifies 1D and 2D codes. Reads and identifies printed, molded or stamped text (OCR).

Script Tools

JavaScript based scripting tool, complete with drag-and-drop instruction editing, allows you to develop custom formulas or inline and background operations.

Custom Algorithms

Unique inspection requirements? No problem! Sherlock allows you to add your favorite custom algorithm into the development environment.

Administration

Controls for protecting against unauthorized access and copying.

Custom Interface

OCX for designing custom operator interface using Visual Basic or Visual C.

