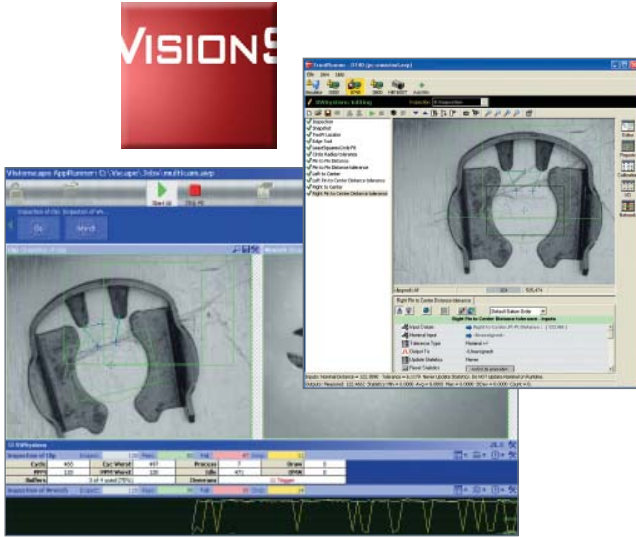


## VISIONSCAPE® SOFTWARE



## Rapid Vision Application Development

*Visionscape software provides all the elements required to develop and deploy machine vision applications in an industrial environment. An extensive collection of proven image processing tools and a powerful graphical user interface (GUI) enable simple and quick implementation of fully capable machine vision applications in any industry.*

### Visionscape Software: Capabilities

#### Auto ID Tools

- Decoding all standard linear barcodes, Data Matrix, and other symbols, Optical Character Recognition (OCR) and Verification (OCV), etc.

#### Image Processing Tools

- Image arithmetic, image rotation and warping, binary and grayscale morphology, edge enhancement, other image filtering, etc.

#### Image Analysis Tools

- Flaw detection, histogram analysis, blob analysis, template and pattern recognition, object location and orientation detections, etc.

#### Calibrated Dimensional Measurements

- Variety of preconfigured measurements such as line intersection, point-to-point distance, point-to-line normal, etc.

#### Color Support

- Color imaging with Visionscape GigE color cameras, color visualization and color tools to support color checking and identification applications. High resolution color cameras allow color-based dimensional gauging applications.

#### Intellifind Tool

- Geometric pattern match tool for robust pattern location and pattern recognition in noisy images; includes scale measurement.

#### Application Specific and Custom Tools

- User-defined expressions and math, custom scripted vision processing tools, etc.

#### FrontRunner

FrontRunner engineering user interface enables quick and easy creation of complex vision applications that can be run on PC-based systems or downloaded to the VS-1 Visionscape smart camera, depending on specific application needs.

#### AppRunner

In the AppRunner standard runtime interface, the user is provided with complete system status, with abilities to start/stop the application, collect and review failed images, and present other diagnostic information.

#### Open ActiveX

Visionscape includes ActiveX controls and application examples to support the creation of applications and custom user interfaces in Visual Basic 6, VB.NET and C#.

#### Customization

From operators on the factory floor to application engineers and developers, Visionscape software offers a configuration environment that can be tailored to different users for maximum productivity.

#### Application Examples

- Assembly verification (automotive, medical devices, packaging)
- Print quality inspection (pharmaceutical, other)
- Package quality inspection (food and beverage)
- Component presence/absence checking (electronics)
- Part location (robotics, machine builder)
- Part identification (automotive, electronics, packaging)

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