# IMPACT LITE SOFTWARE

**◆DATALOGIC**

## IMPACT LITE SOFTWARE

IMPACT LITE is the new software application that powers the P-Series Smart Cameras. Part of the Datalogic IMPACT Machine Vision Software Suite, IMPACT LITE redefines software functionalities delivering easier and faster device programming while maintaining the traditional interface. With IMPACT LITE, application prototyping and deployment is quicker than ever with features like: drag and drop tools into the inspection tree, one click control linking, parameter adjustment with sliders and combo box controls.

The P-Series Smart Camera combined with IMPACT LITE is ideal for solution providers and automation engineers new to machine vision technology. The ultra-compact and cost effective camera solution provides both an easy-to-use device while delivering powerful inspection software.

## VISION PROGRAM MANAGER

IMPACT LITE features a selection of the most commonly used inspection tools. This set of algorithms has been chosen by Datalogic specialists with 30+ years of experience to meet typical application requirements while keeping the device configuration quick and easy.

### IMAGE FILTERING
- Edge Enhancement
- Morphology Dilate
- Morphology Erode

### LOCATING
- Blob
- Circle Gauge
- Line Find
- Origin
- Pinpoint Pattern Find

### FEATURE FINDING
- Average Intensity
- Blob
- Circle Gauge
- Color Blob
- Color Checker
- Contrast – Multiple ROI
- Edge Point Find
- Line Find
- Wide Edge Point Find

### MEASUREMENT
- Circle Gauge
- Line Find
- Line Gauge
- Line Gauge Dual ROI
- Multiple Point to Point Measurements

*OCR tool is enabled with a separate license*

### FLAW DETECTION
- Average Intensity
- Blob
- Color Blob
- Contrast – Multiple ROI
- Greyscale Template

### READERS
- Code Reader
- OCR*

### COMMUNICATION
- Discrete Input
- Discrete Output
- EtherNet/IP Explicit Data
- EtherNet/IP Explicit Message
- EtherNet/IP Read Implicit
- EtherNet/IP Write Implicit
- Serial Port Out
- TCP/IP Port Out
- Image Archiving

### LOGIC
- Counter
- Pass Fail
- Switch
- String Builder

### P-SERIES
- Green Red Spot
- PROFINET IO Read
- PROFINET IO Write

## EASE OF USE

Several software enhancements have been introduced to streamline the configuration process and make the user interface easier to use and more intuitive.
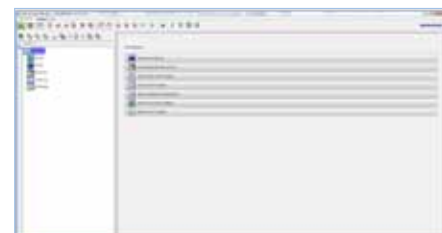
Tool parameter setup with graphical controls

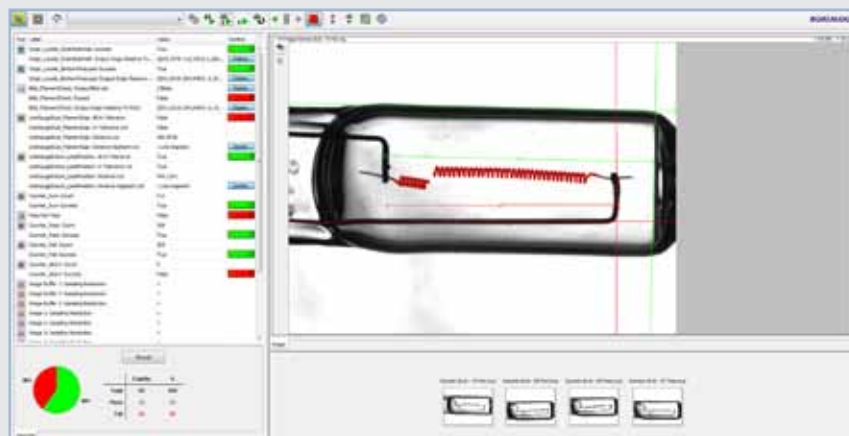Single task configuration for simple application deployment and quick inspection debugging

New Switch and String Builder tools to simplify logics and output data formatting

New panel look & feel improving the software usability and intuitiveness

## VPM DISPLAY

IMPACT LITE software includes the VPM Display, a pre-configured monitoring software application that allows operators to supervise the quality control results as well as the machine vision device. The VPM display does not require programming or configuration; the panel is automatically generated when configuring the smart camera.

The VPM display offers full monitoring functionalities, such as:

- Live image displaying
- OK/NOK overall statistics
- Inspection switching
- Tool results (logic and numeric)
- Overlay graphic enable/disable
- Input setup