



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

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
- 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

FLAW DETECTION

- Average Intensity
- Blob
- Contrast – Multiple ROI
- Greyscale Template

READERS

- Code Reader
- OCR*

COMMUNICATION

- Discrete Input
- Discrete Output
- Serial Port Out
- TCP/IP Port Out
- Image Archiving

LOGIC

- Counter
- Pass Fail
- Switch
- String Builder

*OCR tool is enabled with a separate license

EASE OF USE

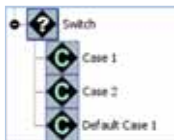
Several software enhancements have been introduced to streamline the configuration process and make the user interface easier to use and more intuitive.



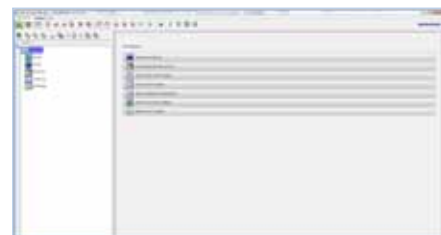
Tool parameter setup with graphical controls



Single task configuration for simple application deployment and quick inspection debugging



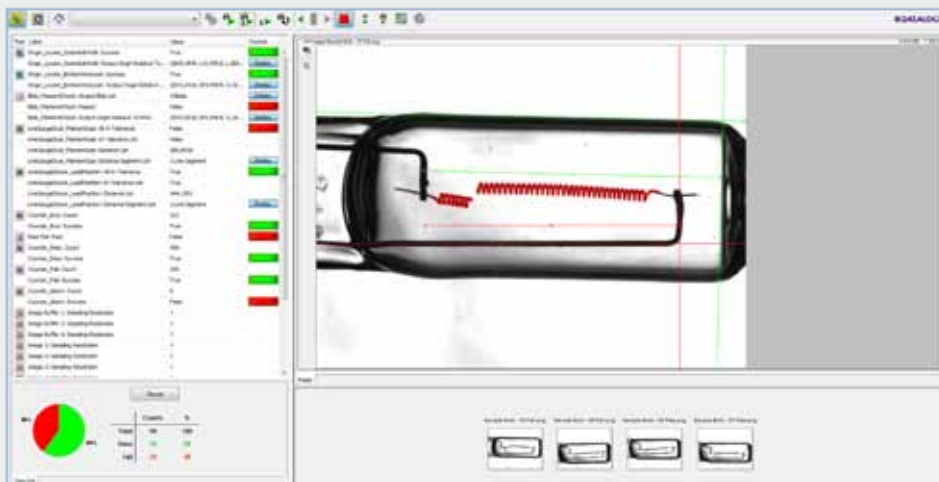
New Switch and String Builder tools to simplify logics and output data formatting



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