



P2X

SMART CAMERA



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- qHD (960x540) and 2MP (1920x1080) resolution imager options both available in monochrome and color
- Innovative 360° software configurable multi color visual feedback
- Smart camera monitor tool, allowing remote monitoring through Internet
- Automatic detection of any orientation changes, thanks to an embedded accelerometer
- Plenty of options in terms of illuminators, filters, covers
- Possibility of selecting micro-lenses or C-mount lenses
- High quality color CMOS imager supporting color analysis
- Powered by IMPACT software with 100+ inspection tools
- IP65/IP67 mechanical protection degree
- Operating temperature: -10...50°C



POWERFUL VISION IN COMPACT HOUSING

The P2x Series is an industrial smart camera that offers exceptional performance and flexibility in a compact, fully integrated form factor. Supporting over 100 inspection tools in the IMPACT software suite, the P2x Series allows you to tackle even the most complex application requirements.



Complete vision system packed into an embedded and compact housing

Possibility to choose between the compactness of micro-video lens or the highest quality offered by C-Mount



Several illuminators, filters and covers available to maximize the quality and brightness of the acquired images

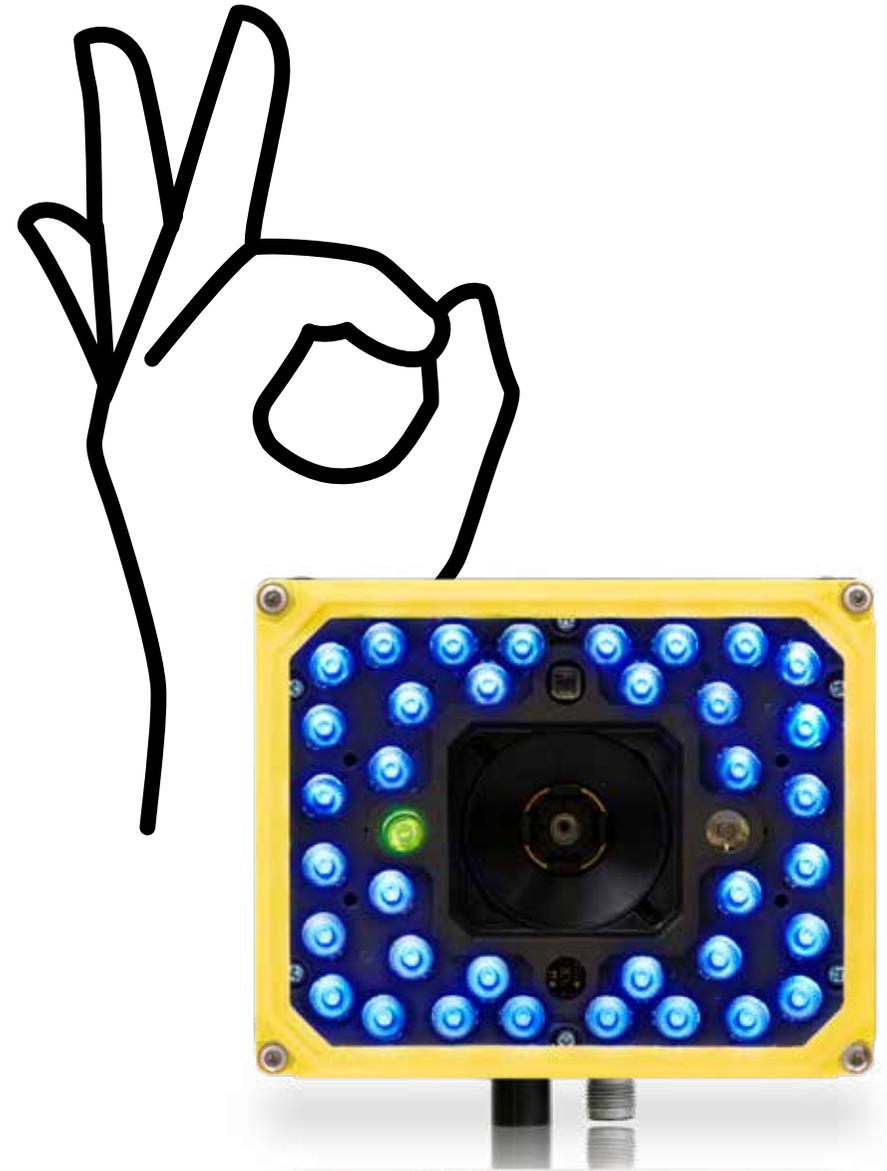


P2X is based on one of the most sophisticated optical designs available on the market



MAXIMIZED OEE

P2X is supported by effective tools to constantly monitor its orientation status and its output condition, thanks both to the embedded accelerometer and to the 360° multicolor visual feedback. This enhances the right degree of product maintainability.





The world first smart camera featuring an embedded accelerometer to continuously monitor its orientation in space



Intuitive visual feedback even at far distances, thanks to a 360° configurable multi color visual feedback on both illuminator types

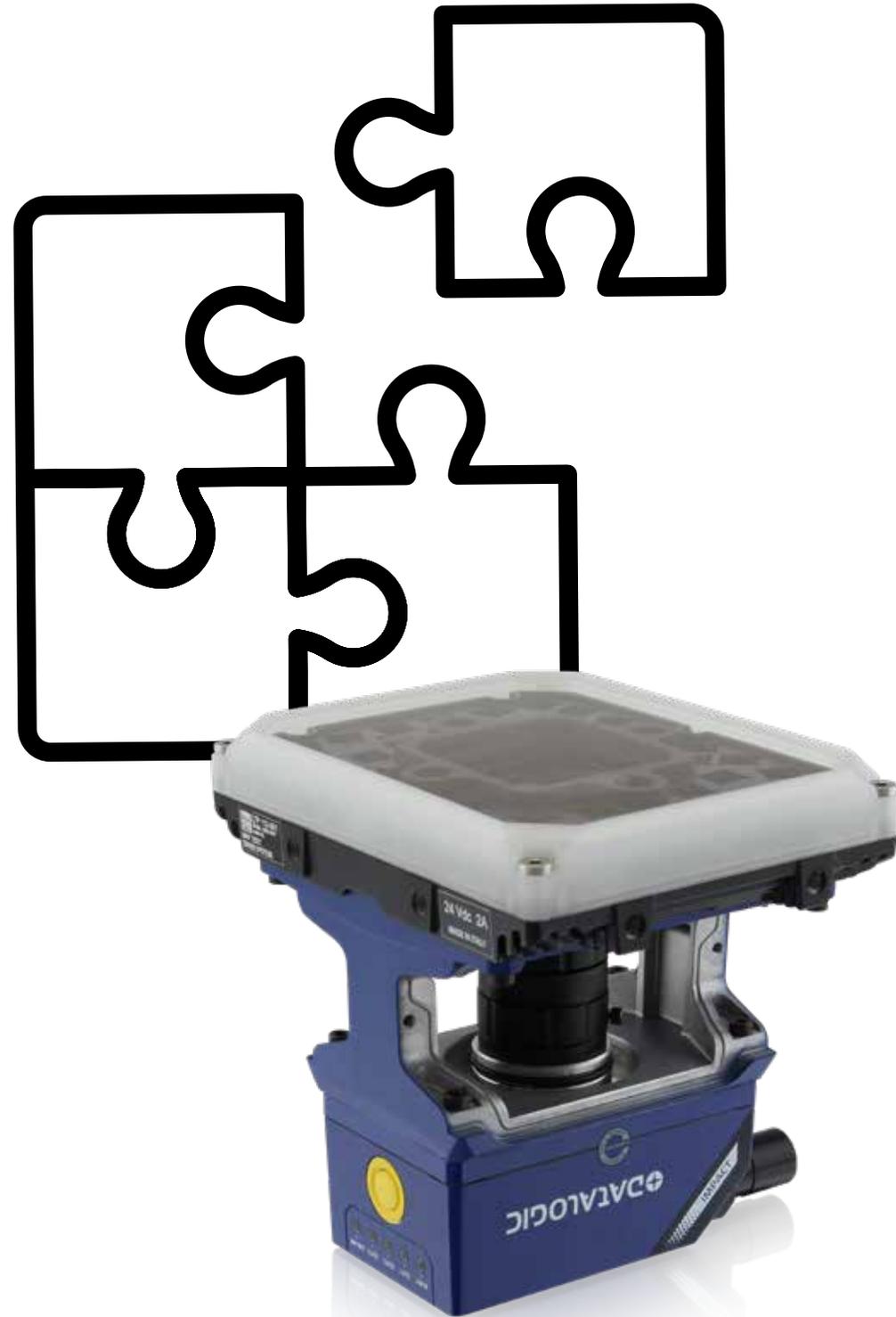


FULL FLEXIBILITY

IMPACT has no limitations when running on P2x Smart Cameras. It is possible to create your own vision program and select the vision device to be used. Some of the most powerful tools of IMPACT include:

- Advanced OCR
- Blob
- Pattern find
- Edge detection
- Color analysis
- Image filtering

Furthermore, a new monitoring panel is available, the SCM (smart camera monitoring), enabling the remote control of camera inspection through any device connected to the web. IMPACT configuration files are fully portable from one Datalogic hardware to the other.





A new monitoring option added to CPM and SDK, the Smart Camera Monitor (SCM), provides immediate access to inspection results, statistics and parameters, image diagnostics to any devices able to run a web browser

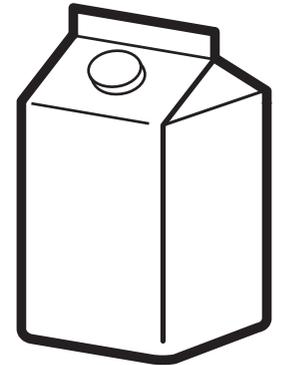
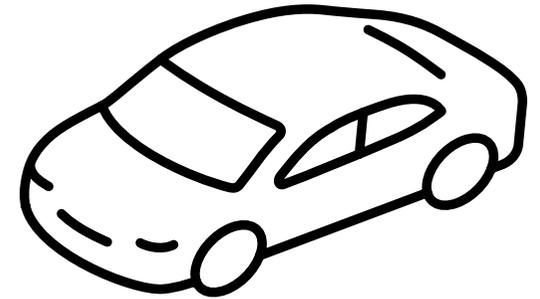
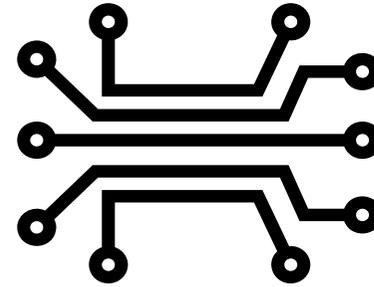


The SCM supports several languages and can be customized defining multiple user access level with password protection

SOLUTION FOR YOUR APPLICATION

P2X represents the right solution for many applications in several industries. This powerful smart camera, supported by an extremely wide and effective vision software, offers a valid tool for automated quality inspection and an opportunity to improve process effectiveness. Some of the main industries where P2X can provide high value are:

- Automotive, with quality control in manufacturing of brakes, tires, engines, and chassis
- Electronics, with the check of right mounting and orientation of components on PCBs
- Food and beverage, in filling and packaging phases
- Tobacco, with label and content inspection
- Pharmaceutical, in filling and packaging phases



LABEL CONTENT CHECK





**QUALITY INSPECTION
IN BOTTLING, WITH
LABEL CHECK**

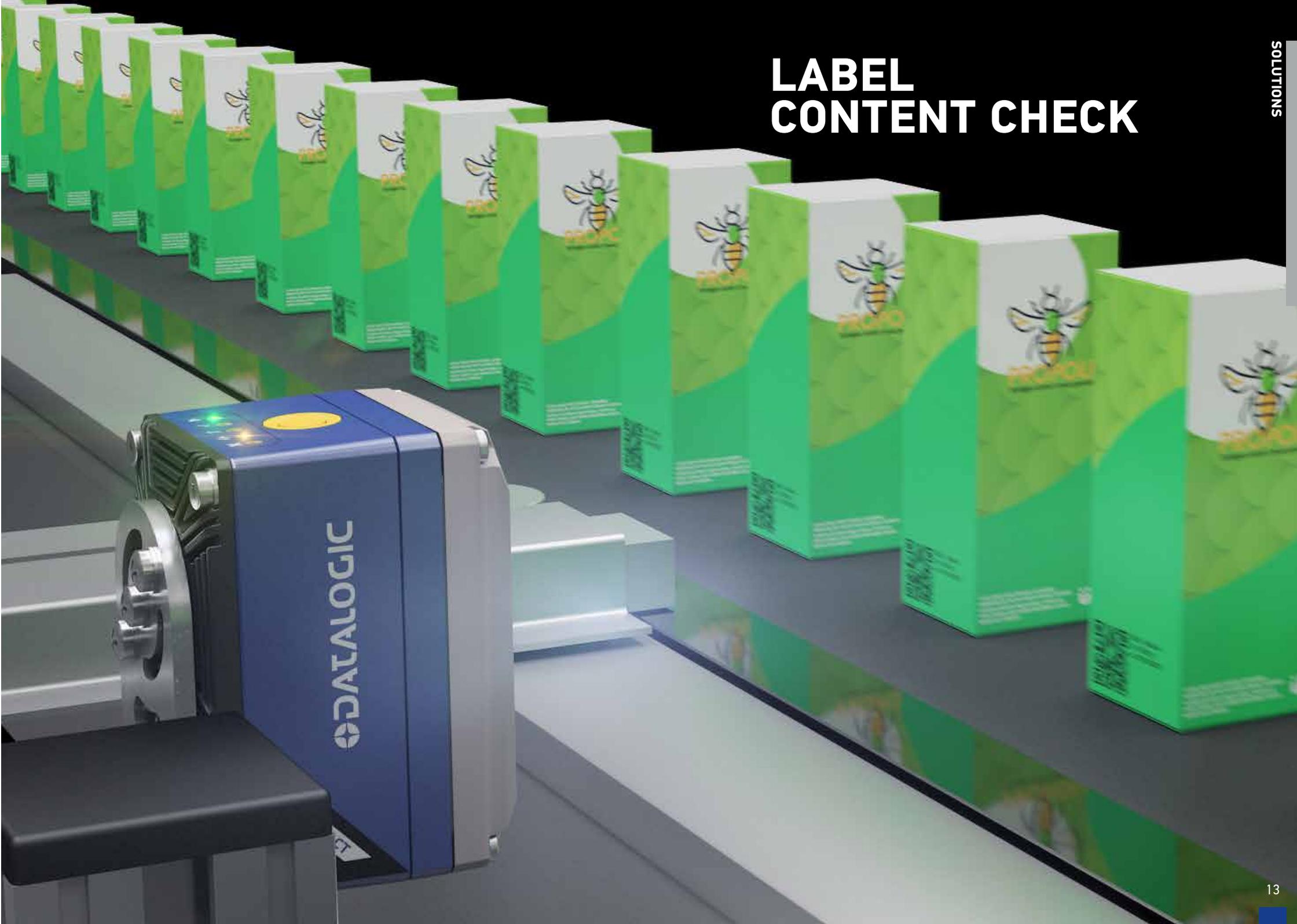
QUALITY INSPECTION IN BATTERY MANUFACTURING



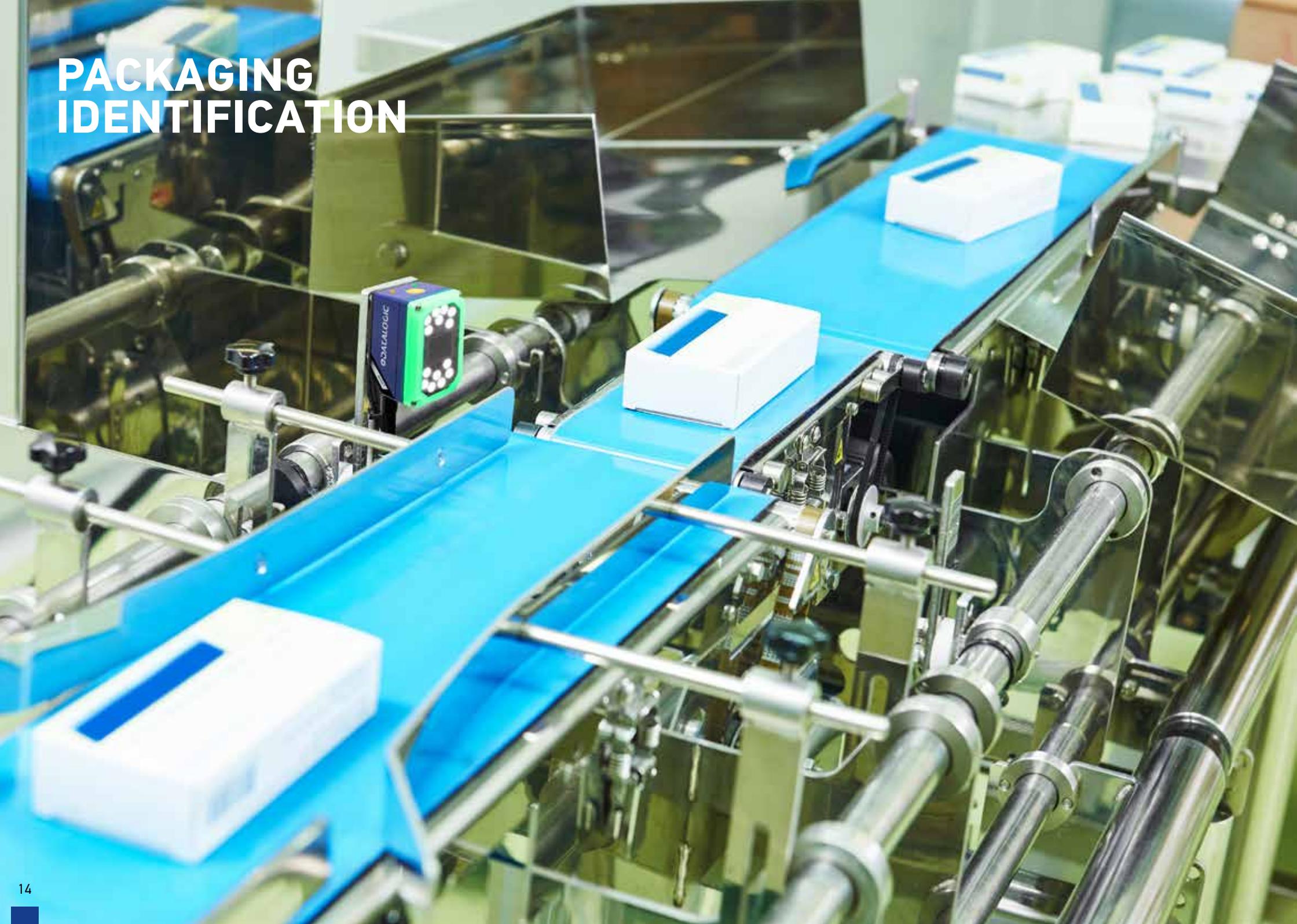
LABEL INSPECTION IN PACKAGING



LABEL CONTENT CHECK

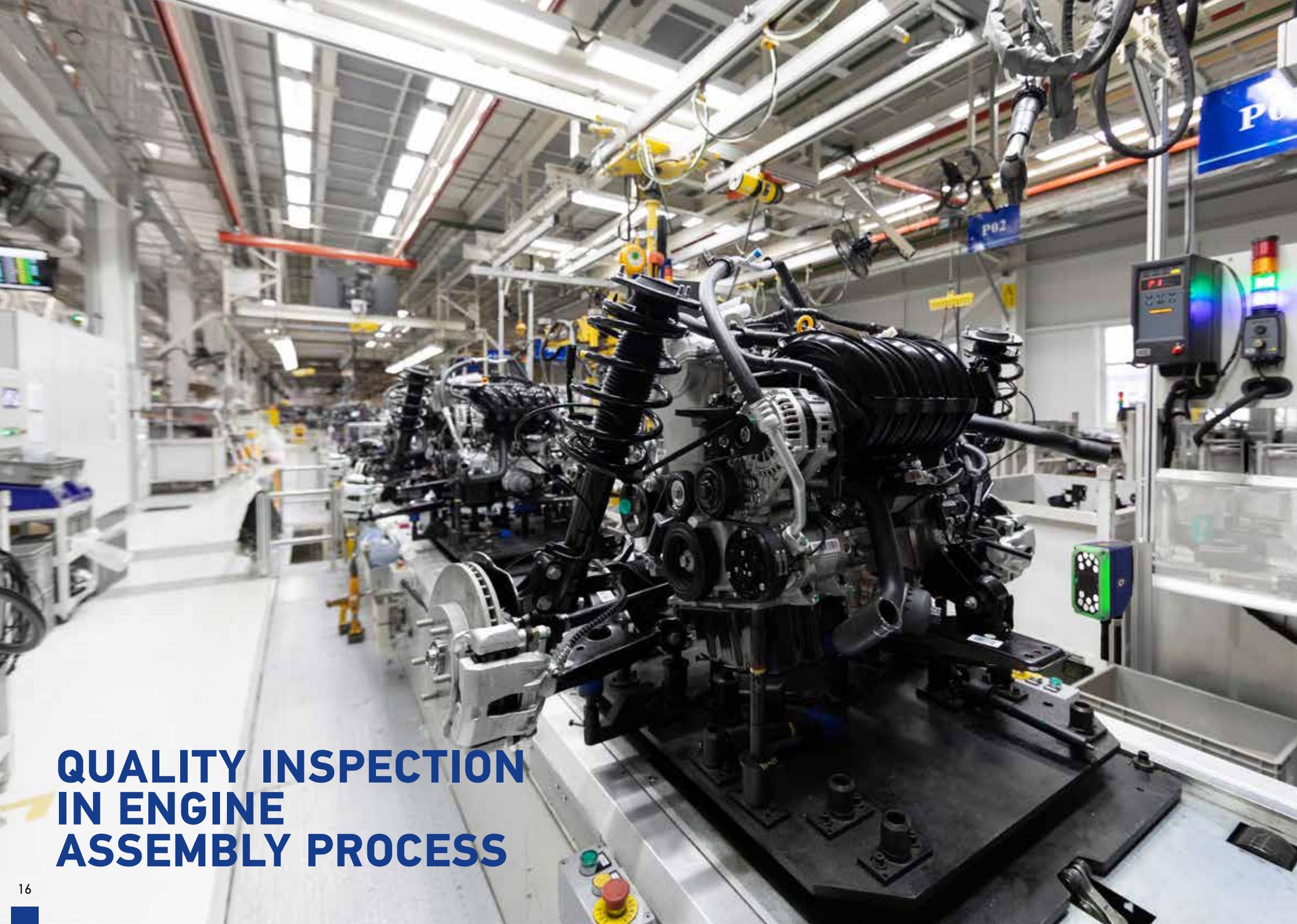


PACKAGING IDENTIFICATION



QUALITY CONTROL IN BOTTLE CONTENT





QUALITY INSPECTION IN ENGINE ASSEMBLY PROCESS



LABEL INSPECTION

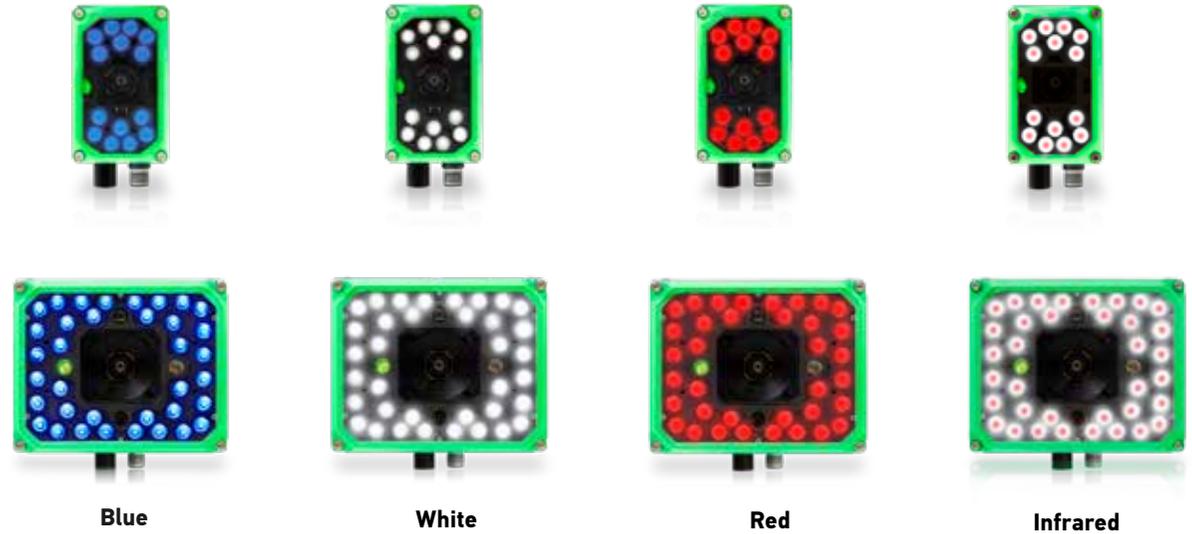
P2X

ACCESSORIES

A smart camera needs the right “ecosystem” of components to perform effectively.

P2x product portfolio is characterized by a comprehensive set of accessories, with a wide range of illuminators, filters, covers and lenses.

ILLUMINATORS



LENSES



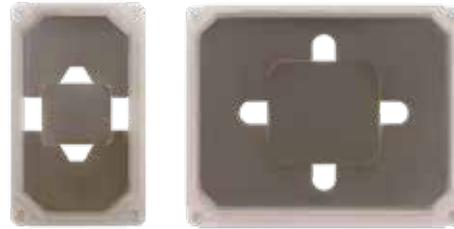
COVERS



STANDARD



ESD



POLARIZED



HARSH ENVIRONMENT

FILTERS

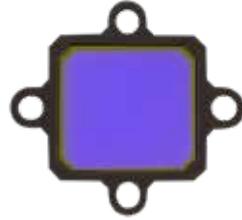
14L
optical
filters



36L
optical
filters



Red
bandpass



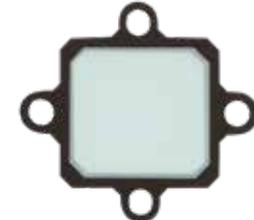
Blue
bandpass



UV-cut



IR bandpass



YAG-cut

OUR EXPERTISE MAKES YOUR WORK EASIER

Datasensing is merging Datalogic's Sensor & Safety and Machine Vision business unit with M.D. Micro Detectors, both with 50 years of experience and representing the history of sensors in Italy since the early '70s.

Our company is developing, manufacturing and supplying Machine Vision, Sensor and Safety, with more than 200 product lines, including 22500 standard and custom part numbers, protected by over 100 patents.

Our products are designed to inspect, detect and protect your production in better and easier way, with diffused applications in industrial automation of manufacturing and intralogistics processes.

Datasensing means high technology and innovative products... but it's the experience of our extraordinary people that makes the difference, from pre-sales to order processing and post-sales.

We have a global presence, with Headquarters in Italy and offices in Europe, China and US, together with a qualified network of distribution partners in all countries.

Datasensing not only focus on products, but also on Environmental, Social and Governance initiatives, as reducing the impact of products, production and logistics.

Our Mission is to create added value through smart sensing solutions based on sustainable standard and custom products, developed with care and leading know how.

Our Vision is to be the top of mind partner to innovate sensing solutions for industrial automation.



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