



# VISIONREAD

IMAGE INSPECTION SYSTEM.

# IMAGE INSPECTION SYSTEM VISIOREAD

## INLINE INSPECTION OF INDIVIDUAL PRINT DATA.

VisioRead is an inspection system that meets tracking and tracing specifications for the verification of variable print data, 2D codes, barcodes, labels, reference colors, and code rings. The system verifies, for example, the data printed on labels and blisters, checks color codes and product presence in various pack units, ensures the correct assembly of syringes, and can monitor a wide range of control measurements.

The standard VisioRead image inspection system comprises a computer and up to four CCD black-and-white cameras. One or two color cameras can be integrated into a VisioRead system for color recognition. VisioRead recognizes a wide range of common codes. Various sized and aligned 2D data matrix codes, for example, can be read, even on slanting or curved surfaces. Data is entered quickly and easily, and operation is straightforward using the operating panel of the Uhlmann machine.

## SYSTEM WITH EXTENDED FUNCTIONALITY.

**Track & Trace:** Complies with required standards with reception and return of code information to a higher-ranking database system.

**Diagnosis/statistics:** Comprehensive statistical analysis of every batch. Images of rejected products are stored. The latest images of flawed products are displayed on the touchscreen and downloaded during production.

**Quality:** Only faultless products move on to the downstream processes. VisioRead controls rejection in the course of production.

**Reliability:** To check the integrity of variable data, such as sell-by date, batch number, and serial number, VisioRead compares the printing with the learned library template.

**Tools:** Measuring tool to check distances, dimensions, and angles of the products, and between the products. Additional tools, such as a test point, pixel counter, or for surface identification, can be used at the same time, and in every combination.

**Administration:** Storage of format data, settings, and system data locally (SSD or CF) or externally (LAN or USB).

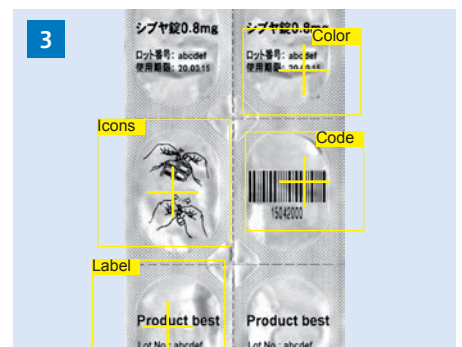
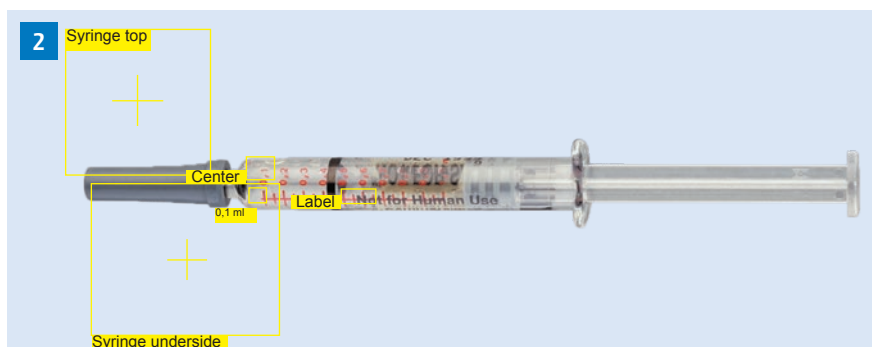
**Network:** Interfaces for connection to a line network or a higher-ranking system (SCADA).

**Plug-and-play updates:** Fast changeover from the predecessor version PacVision OCR to the latest VisioRead system.

**BatchLoadLock:** No format change feasible if batch from upper system is started

## DETAILS THAT GIVE YOU A LEADING EDGE:

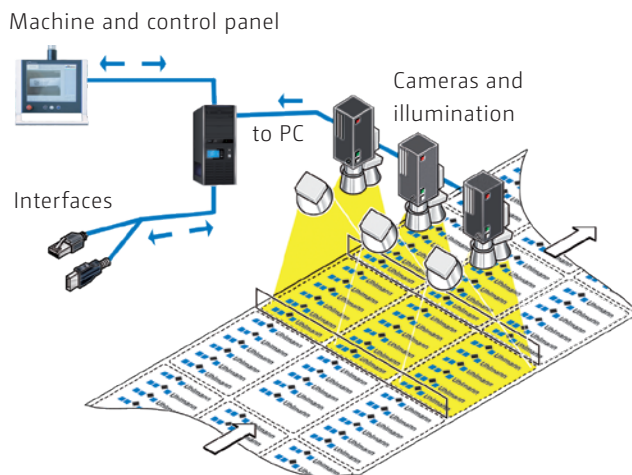
- 1 Verification of printing on cartons and code content for Track & Trace.
- 2 Verification of correct assembly.
- 3 Verification of variable print data.



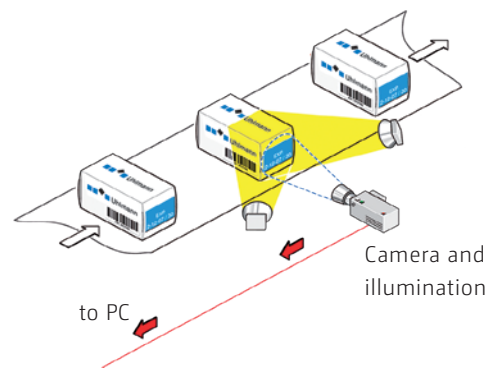
## TECHNICAL DATA

|                                |  |
|--------------------------------|--|
| Camera resolution              | VisioRead 2G: Up to 2 cameras with max. 2 megapixel resolution (black/white)<br>VisioRead 4G: Up to 4 cameras with max. 48 megapixel resolution (black/white) or with max. 5 megapixel resolution (colored) depending on customer requirements |
| Speed                          | up to 1,200 evaluations/min.   |
| Inspection area                | depending on application and camera  |
| Type of machine                | multi-trigger function for an extended inspection area for large formats   |
| Documentation, IQ/OQ documents | hard copy/CD-ROM (optional)  |
| Visual display                 | operation via the operating system of the Uhlmann machine (optionally via a separate operating system)   |
| User administration            | 4 user groups (levels 0–3)   |
| Storage medium                 | solid-state-drive  |
| Operating system               | Win 10   |
| Interfaces                     | TCP/IP network interface, USB ports, VNC server, TouchControl/SmartControl, and Uhlmann SCADA/Track & Trace interface  |

Example 1: Inspection of the entire blister web



Example 2: Inspection of cartons



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THE **HEARTBEAT** OF PHARMA PACKAGING

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