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QV
QualiVision

A Baumer Company

Coding and Inspection
on KBA UDA-FORMAXX
Solution for offline printing / serialisation

MedTech – Pharma – Cosmetics – Food

QualiReader® PI on KBA UDA-FORMAXX

Printing and inspection with complete control over flat products, including filtering and removal of faulty prints

The offline printing / serialisation solution operated via one single, central user interface

QualiReader enables simultaneous output to printer and camera and offers control of the entire process route via one single interface. Moreover the system manages the automatic logging as well as the reject of bad products through the t station.

System description

All types of flat products are separated by the separator and are then transported in equal intervals on the conveyor belt for printing and inspection. Following camera-based inspection, correct products are stacked in batches while faulty products are filtered out of the process.

QualiReader PI

QualiVision®'s printing and inspection system is based on the highly successful QualiReader PI, allowing for print process control, printing and inspection. The software features integrated job- and article management compliant with the transparency and reporting requirements of the pharmaceutical sector.
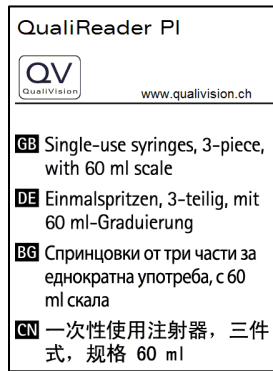
Business fields:

- Pharma
- MedTech
- Cosmetics
- Food
- Electronics
- Luxury goods
- Lottery
- Consumer goods
- Printing

Type of Articles:

- Paper
- Cardboard
- Semi-hard plastics
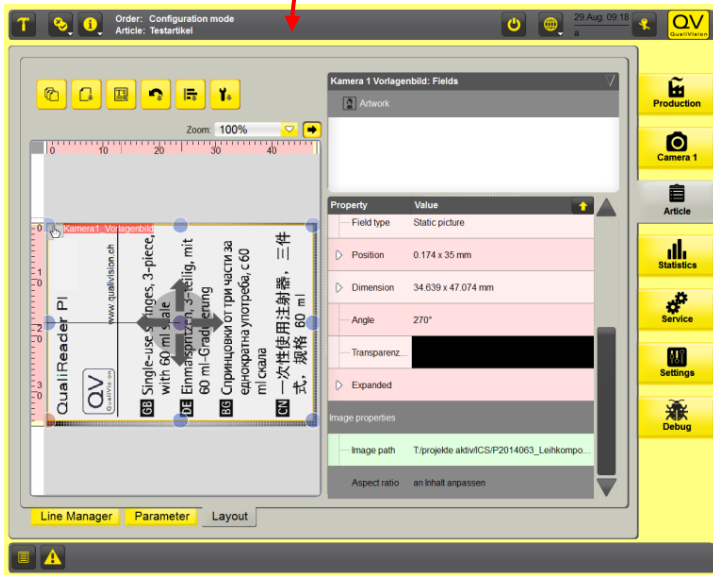- Folding carton
- Labels
- Blisters

From print template to fully inspected print in only two steps

QualiReader PI
QV QualiVision
www.qualivision.ch

GB Single-use syringes, 3-piece, with 60 ml scale

DE Einmalspritzen, 3-teilig, mit 60 ml-Graduierung

BG Спринцовки от три части за еднократна употреба, с 60 ml скала

CN 一次性使用注射器，三件式，规格 60 ml

Data format
PDF · PNG · BMP

„Golden Label"

QualiReader user interface

Basic data — **Digital print templates**

- Sample of 'golden label' with logo and various character sets
- Camera images or layouts compiled in QualiReader may also be used as print templates

Step 1 — **One-time setup per article**

- Import digital print template into QualiReader (PDF, PNG, BMP)
- Labelling and print control are set up at the same time
- Adjustments for serialisation

Step 2 — **Select and start job**

- Output to labelling system
- Automatic configuration of full-surface, point-by-point inspection

All-in-one stacker, separator, transport route and remover
KBA UDA FORMAXX – process reliability, efficiency, flexibility

- Simple and easy-to-reproduce settings
- Easy to operate and highly reliable
- Swift format changes
- Track-and-trace functionality
- Compact device design
- Just-in-time-printing for small and medium batch sizes and individually customised standard packaging
- Suitable for use in combination with many different labelling systems

Added value of the QualiReader PI solution – Overview

- Minimum set-up effort thanks to automatic teach-in for image processing based on digital template/data
- Process reliability through consistent coding and inspection
- 100% inspection: Full-surface and point-by-point for codes, images and international characters
- Integrated handling of faulty prints facilitates process reliability

Product features

Printer and feeder

Paper size	Min. 30 x 60 mm, max. 450 x 500 mm
Paper thickness	Min. 100 g/sq m (paper weight), max. ca. 7.5 mm
Conveyor speed	Stepless settings up to max. 90 m/min., depending on print system, paper size and rejection
Printer types	TT-, TIJ-, CIJ-, PIJ-, UV-DoD printer, laser

Functionality

Item and job management	Yes: Optional remote control via standard XML Protocol, customer-specific adapter on request
Print control	100% control: Code, text (regardless of character set), pictograms, artwork
Serialisation	Balancing of pre-prints and serialisation (GS1, NTIN, UDI, IFA, China Coding)
Mixing control	Text, code, image and measurements
Data logging and report	Job-based with generation of customer-specific reports on request
Computer, operation	Windows 7 operating system, 22.5 Inch TFT touchscreen monitor (set-up via touchscreen)
User administration	Standard 4 level (compliant with 21 CFR Part 11)
NIO handling	Reject station, equipment stop for manual removal

Camera system

Software	QualiReader PI / I
Camera type	Matrix camera
Typical resolution	360-720dpi

Weight of device

Size LxWxH	Feeder 1300 mm x 680 x 560 mm, reject station + 850 mm, delivery table + 584 mm, total: 2734 mm
Connection	230 VAC/10 A 50 Hz
Weight	Ca. 120 kg

Options

21 CFR Part 11	Pharma-compliant operation and logging
Integration with production planning	Standard XML protocol, customer-specific adapter on request
Code grading	Code grade estimate compliant to ISO-IEC15415/16022, ISO-IEC15415/18004 and ISO-IEC15415/16023
Qualification (IQ, OQ, PQ)	Validatable software modules for applications in the pharma, medical technology and cosmetics sector