



A Baumer Company

T8Z Identification and Inspection

Printing, testing, validating, cutting and stacking of medical paper blanks e.g. Tyvek® for heat sealer



MedTech · Pharma

QualiReader® PI – Labelling and Inspection

Printing, testing and cutting of sealing film for heat sealings incl. invalidation of bad prints

System description

The system is used in the preparatory process for manual and semi-automatic heat-sealing stations.

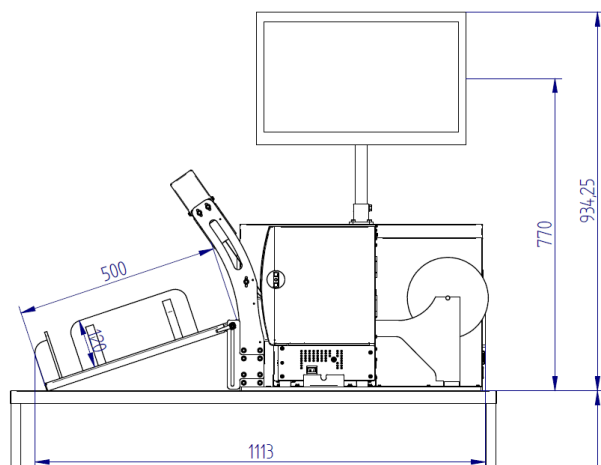
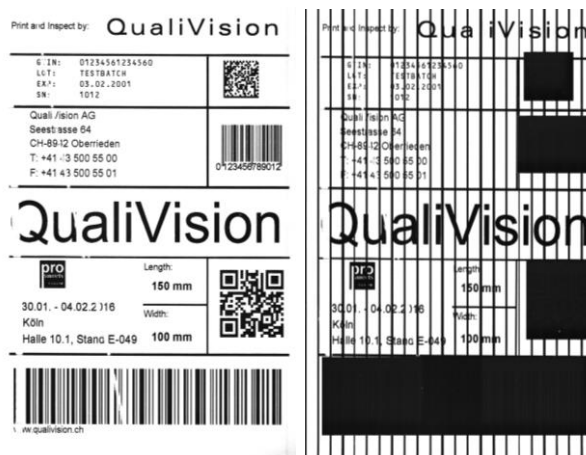
The heat-sealing film is unrolled, printed and inspected by a high-resolution line scan camera. The camera inspects the printed image to the last decimal point, reads the both codes, the font and identifies the faults. If a fault is identified, the label is withdrawn, flagged and documented. Printed labels are cropped and stacked on the slide.

System description

Printer specification	TT-printer, cutting unit, table and stacker
Software	QualiReader PI
Size	L=ca. 1100mm, B=ca. 550mm. H=ca. 920mm, dimensions incl. slide and table
Connection	230VAC/5A 50Hz
Print Control	Code, font (independent of character sets, Asian, Arabic, ...), pictograms
Serialization	Balancing of forms and serialization (GS1, UDI, China-Coding, IFA, Russia Serialization)
Mixing control	Font, code or image
Computer, operation	Windows operating system, operation via touch screen
User administration	Standard 4 Level (21 CFR Part 11 compliant)
Handling of misguided labels	Invalidation by automatic overprinting, codes are made completely illegible
Qualification (IQ, OQ, PQ)	Validatable software modules for pharmaceutical, medtech and cosmetic applications

Possible errors during thermal transfer printing

- Energy too high/low
- Folds/cracks in thermal transfer foil
- Defects in substrate (e.g. labels and medical paper Tyvek®)
- Dirt
- Transport error
- Thermal strip error



Advantages of the QualiReader PI Solutions

- Minimal setup effort through automatic teach-in of image processing from digital originals/data
- Process reliability through consistency of identification and inspection data
- 100% inspection: full surface and pinpoint accuracy of codes, images and international character sets
- Process reliability by reason of integrated bad label handling
- QualiVision experts are delighted to help with optimal customer process integration



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