



A Baumer Company

Pouch/bag packaging system with automatic labelling and inspection
Printing, inspection and packaging of different types of medical and pharmaceutical bags, e.g. Tyvek®



MedTech · Pharma

Label, inspect, serialise and package medical and pharmaceutical bags

System description

The system allows for easy packaging of products in flow packs. Labelling and inspection of printed data are performed automatically.

Flow wrappers are unrolled, printed and inspected by a high-resolution camera. The camera inspects the printed image to the last decimal point, reads both code and text and identifies any faulty print.

If a fault is identified in the print area, the system automatically filters out unfilled bags. Correctly printed bags are transported to the packing station.

Key product features

Software	QualiReader PI
Print control	Code, Text (regardless of character set, Asian, Arabic, ...), pictograms
Serialisation	Balancing of pre-prints and serialisation (GS1, UDI, China Coding, IFA, Russian serialisation)
Mixing control	Text, code or image
Computer, operation	Windows operating system, operation via touch screen
User administration	Standard 4 level (compliant with 21 CFR Part 11)
Handling of faulty labels	Voided by automatic overprinting, rendering codes completely illegible
Qualification (IQ, OQ, PQ)	Validatable software modules for applications in the pharma, medical technology and cosmetics sector
Dimensions/measurements	L=ca 1450mm, B=ca 1400mm. H=ca 1800 mm ca 220kg
Connection	230/400 V/ 50/60Hz / Compressed air 5 bar (oil-free)
System performance / bag size	Up to 15 cycles per minute / width up to 600mm, length dependent on type of machine
Foil thickness	70-120µm

Possible problems with thermal transfer printing

- Too much/too little energy
- Folds/rips in the thermal transfer foil
- Faulty substrate (e.g. labels or Tyvek® medical/pharmaceutical packaging)
- Dirt/impurities
- Transport error
- Faulty thermal print head



Benefits of the QualiReader PI solution combined with the Packmat packaging system

- Minimal set-up effort thanks to automatic teach-in for image processing based on digital template/data
- Consistent labelling and inspection data facilitate process reliability
- Complete and comprehensive full-surface, point-by-point inspection of codes, images and international characters
- Integrated handling of faulty products facilitates process reliability
- Integration of customer processes



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