

SYSTEM INFORMATION



LYNX-CAPA TE Tamper Evidence

Description

The systems of the LYNX-CAPA product family are designed for the packaging process compliant with Track & Trace requirements.

At LYNX-CAPA TE folding boxes are sealed with tamper-proof labels.

Depending on the configuration different features are available – from labeling and printing to various inspections.



Area of Application

Applicable Objects:

- Folding boxes

Inspection Criteria:

- Presence of labels
- Position of labels

Optional Inspection Criteria:

- Print (1D and 2D codes as well as plain text)

Highlights

- Modular design allows a wide range of functions and solutions
- Easy to upgrade
- Tool-free adjustment to folding box size
- Applicable for all common closing patterns
- High precision of labels thanks to precise folding box guidance and ideal use of sensors
- Change of label roll is possible during ongoing operation
- Supports serialization
- Operation possible from the front
- High-quality standardized parts allow an efficient supply of spare parts
- Excellent power transmission through planetary gear
- Implementation of brushless motors
- Housing out of stainless steel to protect the station
- Movable, robust and ergonomic design

■ System

At LYNX-CAPA TE folding boxes are sealed with tamper-proof labels. Depending on configuration level either sensors inspect the presence of labels or cameras and LYNX-SIGNUM HR inspect the label position.

Thanks to its modular design the system can be equipped with a wide range of functions and be upgraded easily.

Design

The station is designed to be operated from the front without the need to walk around it. In combination with LYNX-CAPA MV the station guarantees that the print on the folding box isn't smeared by the label. Even at the highest machine speed the time for the ink to dry (0.7 s*) is ensured.

Tool-free adjustment to individual folding box size is possible. Digital position indicators enable reproducible settings.

Sensors

The product sensor triggers labelling, camera shot, ejection and length measurement of the box. The labelling position on the box is variable and can be adjusted electronically. Another sensor monitors the good product lane in order to verify rejection.

When integrated into an existing line linkage to the machines before and after is possible.

Tamper-proof Sealing

Labeling from the side is implemented by default. The labeler HERMA 400 or cab IXOR labels with a placement precision of ± 0.5 mm.

Labeling is applicable for all common closing patterns and can be adjusted tool-free.

Labels can also be placed on top, e.g. Bollini.

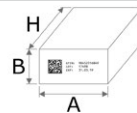
The station can be equipped with two label storages if desired. Thereby a change of label roll is possible during ongoing operation in a short amount of time.

The use of clear fluorescent labels is implemented by default.

Ejection

Units of up to 300 g are ejected via compressed air.

For heavier units or fragile objects an ejection turnout is used which pushes faulty units on a conveyor. Thus they are protected against impacts and falling.



Maximum standard sizes of folding boxes:
A = 15 – 220 mm, B = 15 – 120 mm, H = 60 – 220 mm
Larger boxes possible on request.
300 folding boxes per minute with a transport interval of 50 mm can be processed.



Label size:
A, B = minimum 15 × 15 mm, maximum 50 × 40 mm

* = The required time period for the ink to dry is taken from Videojet's study "Geprüfte Kennzeichnungsqualität für Ihre Faltschachtel". As of 2016



■ Optional Functions

Inspection of Label Position

Cameras and LYNX-SIGNUM HR can be integrated to inspect the precise position of labels on folding boxes.



Ejection Turnout

This special construction is used to eject heavy or fragile units. It protects against impacts and falling.

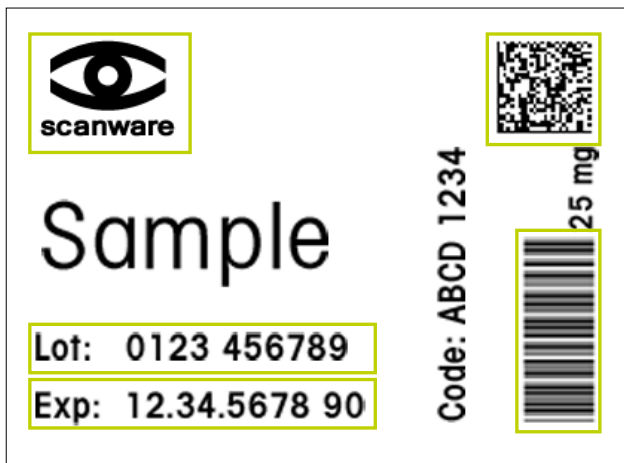


Labeling from the Top

The design of LYNX-CAPA TE enables the integration of an additional labeler to also place labels on folding boxes from the top, e. g. Bollini.

Label Storage

Change of label roll is possible during ongoing operation. The label storage is an ideal option to prevent machine stops while changing the label roll especially at lines with high capacity.



Label Print and Print Control

LYNX-CAPA TE can not only place printed and non-printed labels on folding boxes. It is also possible to insert a printer that prints codes and plain texts on labels and with LYNX-SIGNUM HR these prints can be checked. The integration of scanware's line manager LYNX-IMPERA enables to process serialized and aggregated data.



■ Combined Solution

LYNX-CAPA MV + TE

LYNX-CAPA TE is the ideal solution to retrofit existing Mark & Verify solutions.

The station is suitable for scanware's LYNX-CAPA MV as well as for systems from other suppliers.

Both stations can be placed side by side or arranged in an angle. In the latter case a conveyor belt is installed to connect them with each other.

This makes both stations an optimum solution to be integrated into any existing production line.

Operation

In combination with LYNX-CAPA MV LYNX-CAPA TE is operated through the user interface of the Mark & Verify station.

Visualization takes place on the scanware GUI. Its uniform structure makes it easy to operate.

Print

Printing of folding boxes takes place on LYNX-CAPA MV. It is precise due to folding box guidance from both sides. Printers by Wolke, REA, Bluhm and Domino can be installed. Other printers, e.g. DoD can be implemented upon request.

Sensors

The product sensor triggers printer, camera shot, ejection and length measurement of the box. Another sensor monitors the good product lane for eject recognition and to detect congestion.



■ The scanware Benefits

- Modular built for a multitude of installation options
- Real-time operating system QNX® for security and speed
- Uniform graphical interface and easy-to-follow menu structure
- Fully 21 CFR Part 11 compliant
- Hard- and software are expandable and upgradable
- Wear-free, electronically controllable scanware W-LED illumination
- Easy to install on all common packaging machinery
- Communication with machine via a VDMA-XML protocol
- Simultaneous use of numerous inspection parameters
- Variety of statistical tools
- Development of special tasks and requirements on your request
- Availability of all parts guaranteed for 10 years
- Service offering solutions and support within 24 hours

- LYNX-IMPERA** Line Management
- LYNX-SPECTRA** Product Inspection
- LYNX-SIGNUM** Code Inspection
- LYNX-FOCON** Pore Detection
- LYNX-CAPA** Track & Trace Solutions

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