

TRACK & TRACE



CAPA Tamper Evidence (TE)

Description

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

At **CAPA Tamper Evidence**, folding boxes are sealed with tamper-proof labels. Depending on the configuration, different features are available – including labeling and 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

- Supports serialisation
- Modular design allows the system to be a standalone unit or fully integrated into an existing line
- 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
- Operation possible from the front
- High-quality standardised parts allow an efficient supply of spare parts
- Excellent power transmission through planetary gears
- Implementation of brushless motors
- Movable, robust and ergonomic design
- Stainless steel housing to protect the station
- Easy to upgrade

■ System

At **CAPA TE Tamper Evidence** 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 any need to walk around it. In combination with **CAPA Mark & Verify** the station guarantees that the print on the folding box will not be smudged by the label. Even at the highest machine speed the required 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

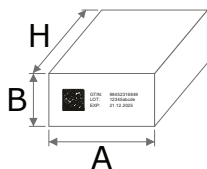
Labeling from the side is implemented by default. Labeling is applicable for all common closing patterns and can be adjusted tool-free. It occurs with a placement precision of $\pm 0.5 \text{ mm}$. The use of clear fluorescent labels is implemented by default.

Ejection

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

Flexible Sizes

To match your product, the below specifications of folding box and labels are available:

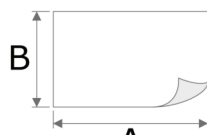


Maximum standard sizes of folding boxes:

A = 30 – 220 mm, B = 15 – 120 mm, H = 70 – 220 mm

Larger boxes possible on request.

Speed: 300 folding boxes per minute with a transport interval of 50 mm can be processed.



Label size:

A, B = min. 15 × 15 mm, max. 50 × 40 mm (UV sensor)

A, B = min. 15 × 30 mm, max. 50 × 40 mm (gloss sensor)

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



■ Optional Functionalities

Ejection Turnout

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

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.



Inspection of Label Position

Cameras and **SIGNUM Print** can be integrated to inspect the precise position of labels on folding boxes.

Labeling from the Top

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



■ Combined Solution

CAPA Mark & Verify + Tamper Evidence

CAPA Tamper Evidence is the ideal solution to retrofit existing Mark & Verify solutions.

The station is suitable for scanware's **CAPA Mark & Verify** 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 **CAPA Mark & Verify CAPA Tamper Evidence** is operated through the user interface of the **CAPA Mark & Verify** station.

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

Print

Printing of folding boxes takes place on **CAPA Mark & Verify**. 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.



■ Quality is visible.

- Modular build for a multitude of installation options
- Real-time operating system QNX® for security and speed
- Uniform graphical interface and easy-to-follow menu structure
- Hard- and software are expandable and upgradable
- Fully 21 CFR Part 11 compliant
- Wear-free, electronically controllable scanware W-LED illumination
- Easy to install on all common packaging machinery
- Communication with machine via a VDMA XML_P or OPC UA 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



Management



Packaging



Blister & Products



Codes, Text & Graphics



Track & Trace



Support



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