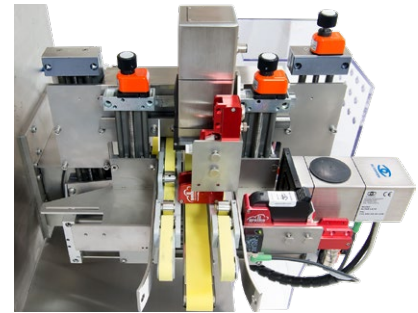# TRACK & TRACE

CAPA | Mark & Verify (MV)

■ Description

The systems of the **CAPA** product family are designed for the packaging process compliant with Track & Trace requirements. At the station **CAPA Mark & Verify**, units are marked with production-specific data and the print is verified.
The processing and aggregation of serialised data is handled by **IMPERA Management**.

■ Area of Application

Applicable Objects:
- Folding boxes

Inspection Criteria:
- 1D and 2D codes e. g. Code 128 and DataMatrix
- Plain text e. g. lot, expiry date, GTIN and serial numbers

■ Highlights

- Movable, modular, robust and ergonomic design
- Stainless steel housing to protect the station
- Tool-free adjustment to folding box size
- High-precision print thanks to precise folding box guidance and ideal use of sensors
- Integration of major printer systems
- Supports GS1, IFA, CIP 13, ITS, Bollini IPZS, Royal Vignette Belge and China E-Coding
- In-house development of control and print inspection system

- Uniform graphical interface, easy to follow menu and comfortable data input
- Stable evaluation results independent of the number of taught character patterns
- Serialization support
- High-quality standardized parts allow an efficient supply of spare parts
- Excellent power transmission through planetary gear
- Implementation of brushless motors

■ System

Construction

CAPA Mark & Verify is available with a fixed box feeding height or an adjustable height. It ranges between 800 and 1,050 mm. Other heights upon request. Units of up to 300 g are ejected via compressed air. For heavier units or fragile objects an ejection turnout is used which pushes units with faulty print on a conveyer.

Tool-free adjustment to individual folding box size is possible.

Machine control of all components is performed by a PLC. Visualization takes place on the scanware GUI.

Sensors

The product sensor triggers printer, camera shot, ejection and length measurement of the box. The print position on the box is variable and can be adjusted electronically.
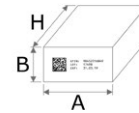
Another sensor monitors the good product lane in order to verify rejection. When integrated into an existing line linkage to the machines before and after is possible.

Printing

Precise printing due to folding box guidance from both sides. Compatible to printers by Wolke, REA, Bluhm and Domino. Other printers, e.g. DoD can be implemented upon request. Printing on top of box optional.

The station **CAPA Mark & Verify** can be extended by our station C**APA Tamper Evidence** for tamper-proof sealing of folded boxes. It is also available as installation in cartoners and checkweighers.

Maximum standard sizes of folding boxes:
A = 15 – 220 mm, B = 20 – 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.

■ 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
- 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

Management   **Packaging**   **Blister & Products**   **Codes, Text & Graphics**   **Track & Trace**   **Support**

scanware