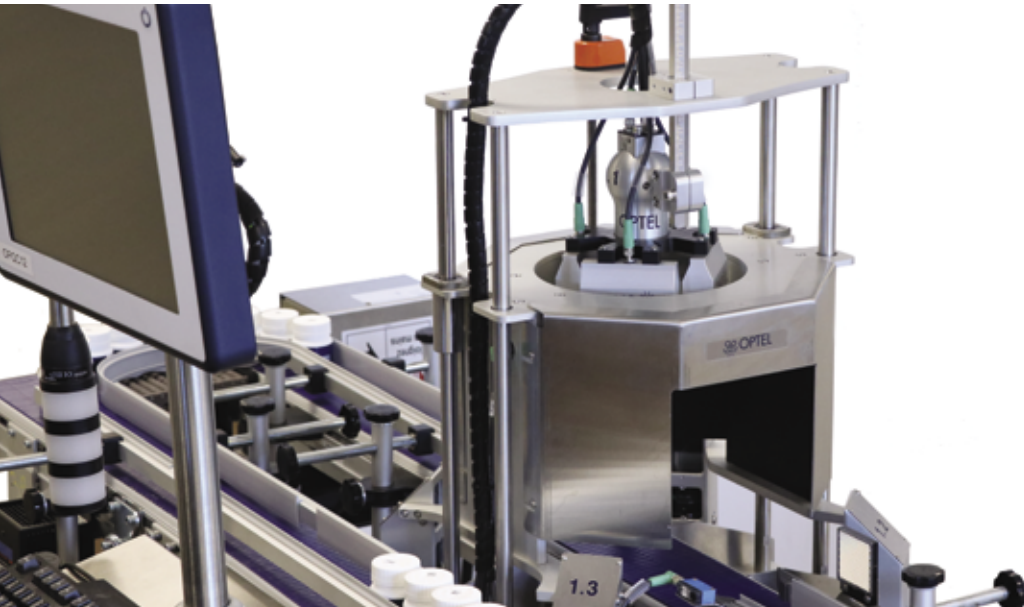


# ASSOCIATION STATION

PREPARE YOUR SERIALIZED BOTTLES  
FOR AGGREGATION TO FACILITATE TRACKING



PHARMA



MEDICAL DEVICES

The **Association Station** handles the verification of serial numbers and facilitates bottle aggregation into secondary packages without affecting the production flow.

This station allows various inspections such as presence and placement verification of labels and leaflets. It is specially designed to increase your quality and compliance with labeling regulations while improving your line efficiency by creating a leaner operation.

To facilitate the tracking of a bottle going into a secondary package such as a bundle or case, this solution is built to print and inspect a temporary unique identifier (tracking code) on the bottle cap using UV ink, or to inspect a tracking code on a topsert.

It has a unique 2D-reading technology that supports various sizes and product shapes. As part of OPTEL's TrackSafe™ product family, the Association Station connects in real time with OPTEL's LineMaster™ to verify and report serial numbers.

## KEY FEATURES

- 360° reading of EPC
- Label/leaflet presence and placement detection
- Tracking code printed by continuous inkjet
- Ejection with confirmation
- Speed of up to 300 bottles/minute

## BENEFITS

- Fast association without risk
- Toolless adjustments
- Turnkey installation

# ASSOCIATION STATION

## PERFORMANCE

Linear Speed	From 4.5 m/min to 35 m/min
Production Rate	Up to 300 bottles/min
Tracking Code Position	On top of bottle
Printer Model	Domino Ax350i (UV option only)

## 360° VISION SPECIFICATIONS

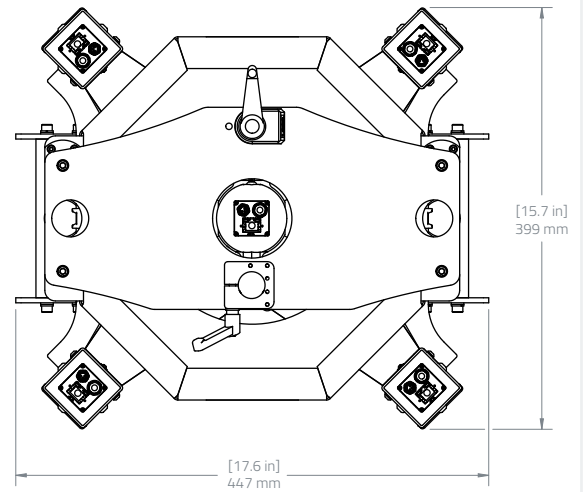
	SSS001	SSS003
Bottle Diameter	22 to 75 mm	32 to 114 mm
Field of View	86 x 54 mm	124 x 78 mm
Decoding Capability	1D, 2D	1D, 2D
Data Matrix Module Size*	From 0.23 mm	From 0.33 mm
Barcode Line Width	From 0.15 mm	From 0.21 mm
Barcode Orientation	Ladder	Ladder

## UTILITIES

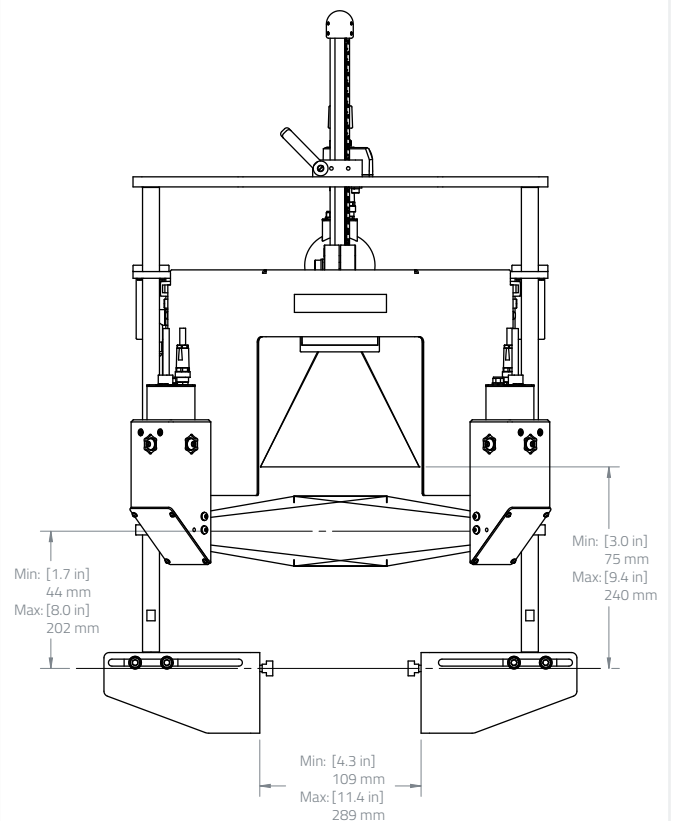
Power Requirements	120-240 VAC 50/60 Hz
Compressed Air	6 bar (90 psi)

\* The overall Data Matrix size varies depending on the exact size of the bottle.

## TOP VIEW



## FRONT VIEW



**TRACKING PROCESS OVERVIEW**

Tracking is used to ensure products can be located at any time on the production line to prevent defective products from reaching the next step of the production process.

The illustration below depicts the Association Station and other usual peripherals used within a typical tracking process.

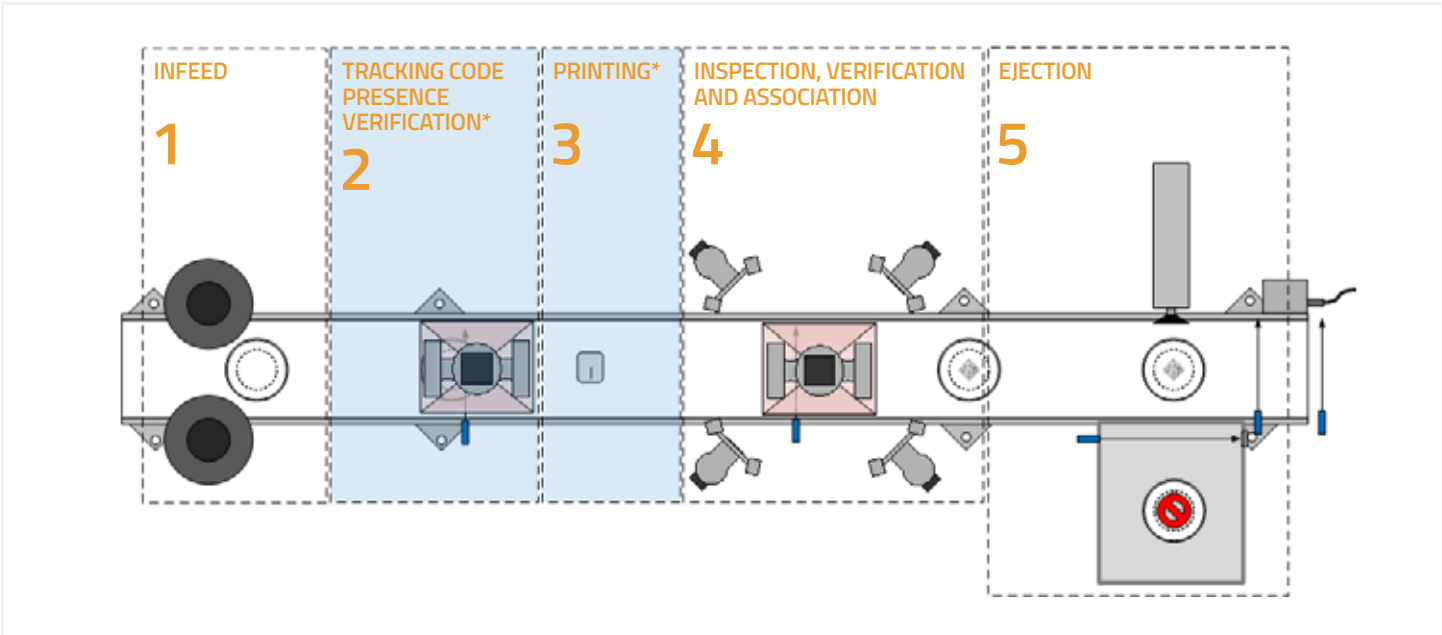
**1 INFEEED**  
The bottle flow is controlled to ensure proper spacing to the Association Station.

**2 TRACKING CODE PRESENCE VERIFICATION\***  
A camera verifies if a tracking code is already present on the bottle cap by comparing the acquired image to the reference image.

**3 PRINTING\***  
If no UV tracking code was detected, a tracking code is printed on the bottle cap.

**4 INSPECTION, VERIFICATION AND ASSOCIATION**  
A 360° camera setup inspects and verifies the EPC on the bottle label and another camera inspects the tracking code. If both inspections are successful, the tracking code is associated to the bottle EPC.

**5 EJECTION**  
If the EPC or tracking code inspection failed, the bottle is ejected, with confirmation that the bottle is no longer on the conveyor belt beyond the ejection zone.



\* Applicable only when UV option is selected.

# ASSOCIATION STATION

## ASSOCIATION STATION SSS001 – STANDARD SOLUTION SPECIFICATIONS

- Prepare your serialized bottles for aggregation to facilitate tracking
- Tracking managed by OPTEL
- Quad-camera station for inspection, verification and association on preprinted topserts
- Small bottle diameter (22 to 75 mm)
- Serialization-ready
- Encoder with mounting kit
- Pneumatic ejector with mounting brackets
- Ejection bin with ejection confirmation sensor
- “Good product” confirmation sensor
- Backup sensors

### NOTES:

- Preliminary lead time: 12-16 weeks
- Preprinted tracking codes or coder are supplied by OEM or customer.
- The Association Station acts as a virtual system add-on to a LabelTracker solution.
- Stand-alone PharmaProof™ system options may be needed if limitation applies.

### ORDERING INFORMATION – STANDARD SOLUTION CONFIGURATION

Encompassing all of OPTEL’s expertise and legacy, this standard Association Station configuration is a predesigned hardware and software solution that meets your bottle association needs quickly and cost-effectively, while conforming with current industry standards.

To obtain a quote, contact your Account Director, who will work with our quote department to provide you with accurate pricing for your solution. Should these options not fit your specific requirements, feel free to discuss your needs with your Account Director, as we also provide custom solutions upon request.

### ADDITIONAL INFORMATION REQUIRED FOR QUOTE

- Bottle/label samples
- User Requirements Specifications (URS)
- Product matrix
- Floor layout

ITEM #	SOLUTION	SPECIFICATIONS
SSS001	Association Station	Refer to the specifications above
ITEM #	OPTIONS	SPECIFICATIONS
SSS002	Stand-Alone PharmaProof™ System	<ul style="list-style-type: none"> <li>■ Floor-mounted electrical enclosure</li> <li>■ OPTEL HMI on enclosure</li> <li>■ Multi-segment LED tower light indicator</li> <li>■ Bypass key</li> <li>■ OP300 software</li> <li>■ Barcode analyzer</li> </ul>
SSS003	Large Bottle Diameter (32 to 114 mm)	<ul style="list-style-type: none"> <li>■ 360° quad-camera station for large bottles</li> <li>■ Ejection bin for larger bottles</li> </ul>
SSS004	UV Tracking Code Printing	<ul style="list-style-type: none"> <li>■ Domino AX350i for tracking-code printing with UV ink</li> <li>■ Camera for tracking-code inspection</li> <li>■ 2 UV filter and UV LED lighting upgrade for tracking code verification and inspection</li> <li>■ Camera for tracking-code inspection</li> </ul>
SSS005	Spacing Wheel	<ul style="list-style-type: none"> <li>■ Spacing wheel with adjustable speed for spacing bottles</li> <li>■ Mounting support</li> </ul>
SSS006	Conveyor	<ul style="list-style-type: none"> <li>■ Conveyor, 4-inch width</li> <li>■ 24-inch to 36-inch conveyor height</li> <li>■ Mounting support</li> <li>■ Pads or casters available</li> <li>■ Emergency stop</li> </ul>

**NOTE:** Ultraviolet tracking codes will be invisible to the consumer. Requires an additional camera and a continuous inkjet printer (see Tracking Process Overview).

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