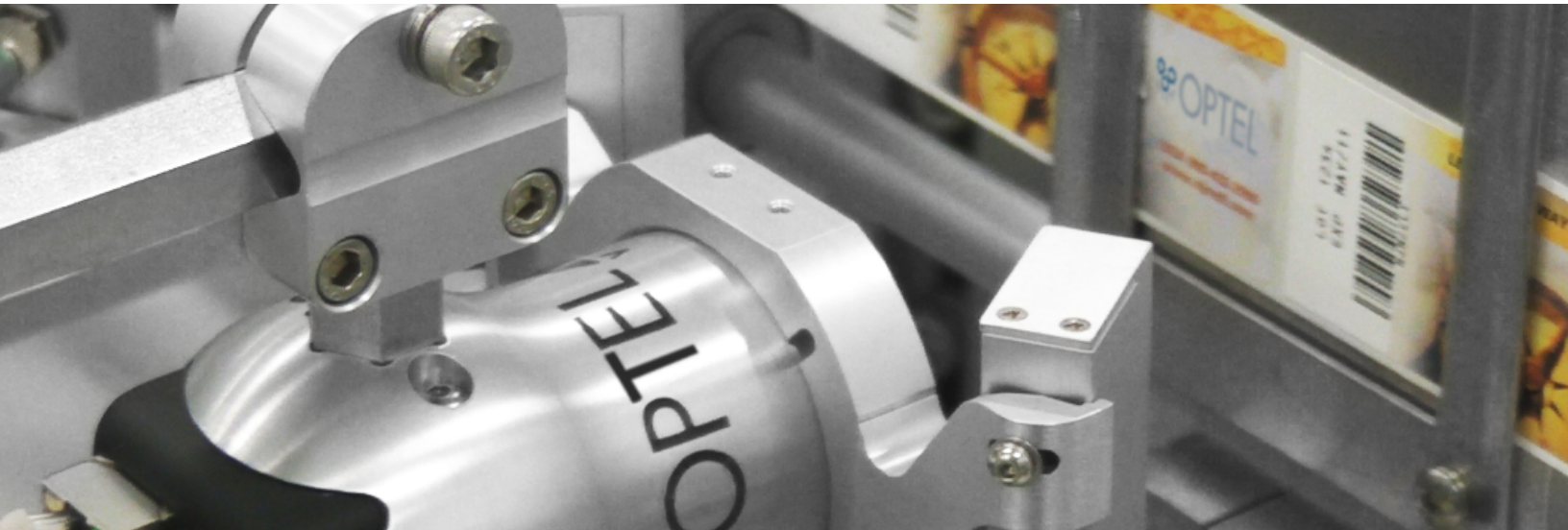# LABELTRACKER™

A FULLY AUTOMATED LABEL SERIALIZATION STATION FOR IDENTIFICATION AND VERIFICATION OF UNIT LEVEL PRODUCTS

PHARMA

MEDICAL DEVICES

OPTEL's LabelTracker™ is a complete automated station, that allows the identification and verification of unit-level products for serialization. The LabelTracker™ ensures accurate serialization identification to meet product authentication and traceability requirements in the pharmaceutical industry.

The **LabelTracker™** is the most advanced technology for unit-level serialization on a labeler. It features serial number verification and commissioning.

As with all of OPTEL's **TrackSafe™** products, LabelTracker™ supports any coding standard and serialization requirement. Combined with TrackSafe™, it can generate serial numbers locally or download them from any centralized serial number provider. It also transfers the serialization data ownership with all major IT solution providers such as SAP-AII and other compliant EPCIS services.

BENEFITS

- Installation on any labeler (bottle, vial)
- Serialized and non-serialized capability
- Speed up to 800 labels/minute
- Print and inspect Data Matrix and human-readable codes with correlation of Data Matrix and text
- 60 vision tools available
- Ejection with confirmation
- Toolless adjustments with counter
- Faster delivery
- Easier integration
- Lower cost

OPTEL

Traceability technologies for a better world

LABELTRACKER™

PERFORMANCE

Designed for	Bottles, vials
Production Rate	Up to 800 labels/min

VISION SPECIFICATIONS

Field of View Mode SLA001 Mode SLA002	< 85 mm x 53 mm > 85 mm x 53 mm
Decoding Capability	1D, 2D, OCV/OCR
Data Matrix Module Size	From 0.18 mm
Human-Readable Character Height	From 1.2 mm
Linear Barcode Line Width	From 0.12 mm

UTILITIES

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

[61.6 in]
1,565 mm

[18.3 in]
465 mm

[11.8 in]
300 mm
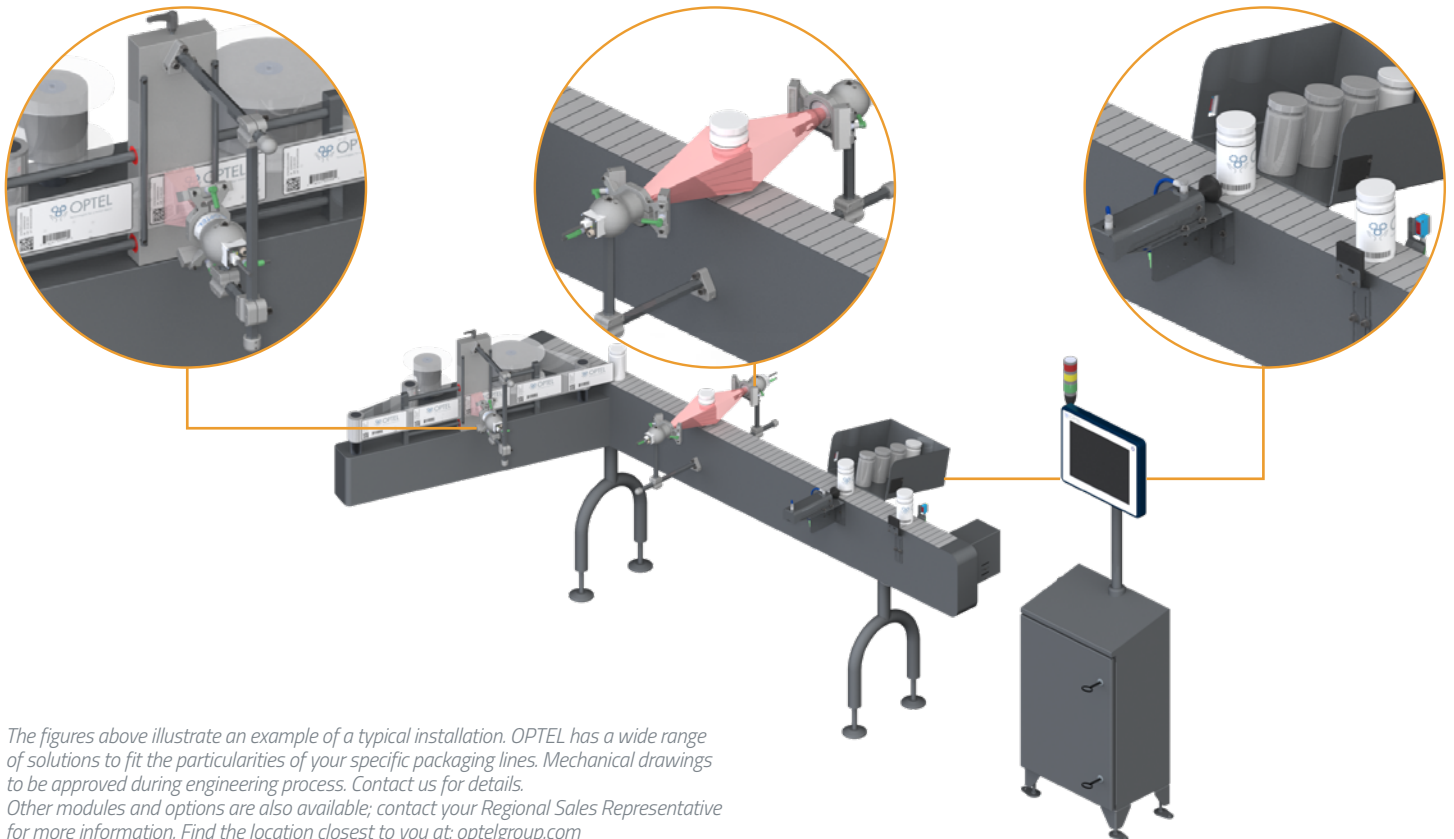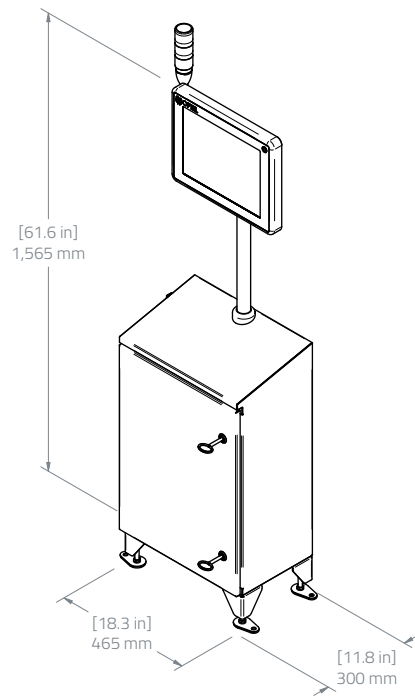
The figures above illustrate an example of a typical installation. OPTEL has a wide range of solutions to fit the particularities of your specific packaging lines. Mechanical drawings to be approved during engineering process. Contact us for details.
Other modules and options are also available; contact your Regional Sales Representative for more information. Find the location closest to you at: optelgroup.com

TRACKING PROCESS OVERVIEW

Tracking is used to ensure that products can be located at any time on the production line in order to prevent defective products from reaching the next step of the production process. It can be handled by OPTEL (using hardware sensors and encoders), the OEM (through signal exchanges) or a combination of both.

The illustration below depicts the LabelTracker™ and other usual elements used within a typical tracking process, which in this case includes these main steps.

1 PRINTING
Product-specific information is printed on the label's print area (lot number, expiration date, EPC, etc.)

2 WEB INSPECTION AND VERIFICATION
An image of the printed label is inspected and verified by comparing it to a reference image.

3 LABEL PRESENCE VERIFICATION
Label presence verification can be performed using different types of vision analyzers (label presence, label orientation)

4 EJECTION
Ejection of faulty products is performed, with confirmation that the product is no longer on the conveyor belt beyond the ejection zone.

5 TRACKSAFE™ SERIALIZATION
The LabelTracker™ can be connected to the OPTEL TrackSafe™ LineMaster™, which distributes serial number information to each packaging level and validates this information at every inspection station.

2 WEB INSPECTION AND VERIFICATION

3 LABEL PRESENCE VERIFICATION

4 EJECTION

PRINTING 1

5 LineMaster™

TRACKSAFE™ SERIALIZATION

optelgroup.com
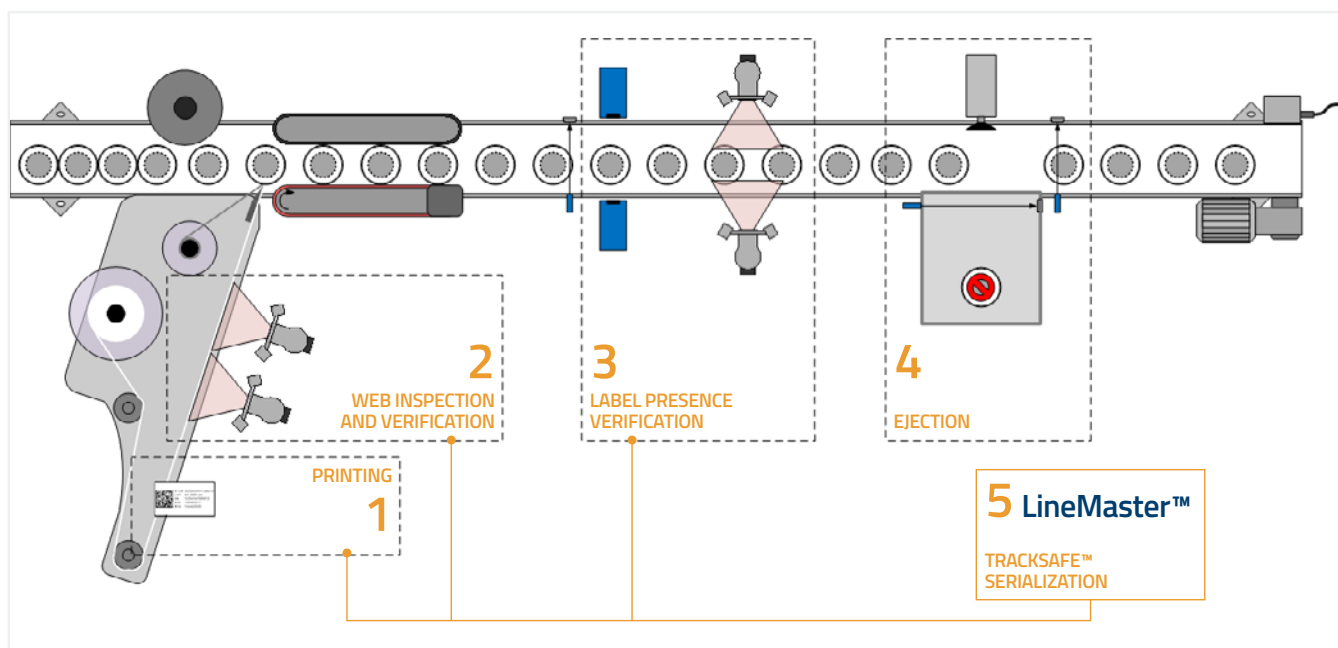
LabelTracker™

ORDERING INFORMATION – STANDARD SOLUTION CONFIGURATION

Encompassing all of OPTEL's expertise and legacy, this standard LabelTracker™ configuration is a predesigned hardware and software solution that meets your label tracking 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

- Make and model of customer OEM being integrated
- Label and product samples
- User requirements specifications (URS)
- Product Matrix and label samples
- Floor layout

LABELTRACKER™
SLA001 – STANDARD SOLUTION SPECIFICATIONS

- Floor-mounted electrical enclosure
- OPTEL HMI on enclosure
- Multi-segment LED tower light indicator
- Bypass key
- Camera for size of web inspection area (FOV < 85 mm x 45 mm)
- Mounting plate for web inspection
- OP300 software
- OCV analyzer
- Barcode analyzer
- Inspection "good result" and "data valid" signals for labeler

NOTES:

- *Preliminary lead time: 8-12 weeks*
- *Coder is supplied by OEM or customer*
- *If OEM requires modifications, variances may be charged*
- *Software tracking is managed by OEM*
- *No validation documentation included (FAT/SAT/IOQ)*

NOTE:

1. *Subject to vision study analysis*

SALES ITEM	SOLUTION	SPECIFICATIONS
SLA001	LabelTracker™	*Refer to the specifications on the preceding page*

SALES ITEM	OPTIONS	SPECIFICATIONS
SLA002	Size of Web Inspection Area 2C > 85 mm x 45 mm	▪ Additional camera for larger web inspection area (FOV > 85 mm x 45 mm)
SLA003	UV Label Presence Verification	▪ 2x UV sensors with mounting kits ▪ Presence sensor with mounting kits ▪ UV label presence analyzer
SLA004	Label Presence and Orientation Verification	▪ 2x additional cameras on bottle conveyor with mounting kit ▪ Presence sensor with mounting kits ▪ Presence and orientation analyzer
SLA005	Hardware Components for Tracking	▪ Encoder with mounting kit ▪ Pneumatic ejector with mounting brackets ▪ Ejection bin with ejection confirmation sensor ▪ Resynchronization sensor ▪ "Good product" confirmation sensor
SLA006	TrackSafe™ and LineMaster™ Ready	▪ OP300 Tracksafe-ready software configuration ▪ Additional Ethernet switch *Domino V-series and D-series coder support* *Videojet Dataflex coder support*
SLA007	Manual Feeding Mode	▪ Software configuraton handles manual label feeding in setup mode *Requires OEM output*
SLA008	Software Tracking	▪ OP300 manages tracking of products with software configuration *Tracking is used to ensure that products can be located at any time on the production line in order to prevent defective products from reaching the next step of the production process.*

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