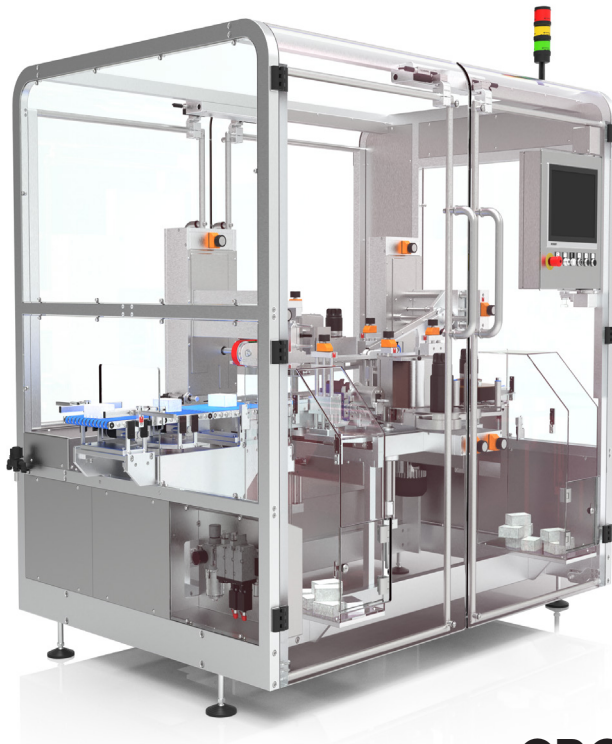




CPC-1500 **TRACK&TRACE DEVICES -** **SERIALIZATION**

Serialization in the pharmaceutical industry ensures full supply chain traceability, helping to prevent counterfeiting and protect patient safety. At Opticum, we provide a wide range of serialization devices compliant with global regulations, suitable for packaging elements like blisters, leaflets, bottles, and wallets. Our solutions are built for strict GxP environments and meet FDA 21 CFR Part 11 requirements.

CPC-1500 – ALL-IN-ONE CARTON PRINTING, VERIFICATION, WEIGHING & LABELING SOLUTION

The CPC-1500 is a high-performance system designed to equip formed folding cartons in the most demanding pharmaceutical environments. It enables checkweighing, printing with print inspection, application of security labels and optionally handles vignettes. Non-compliant products are rejected into two different reject bins depending on the type of defect. It supports rapid product changeovers without format parts, and thanks to servo motors, these changeovers can also be automated.

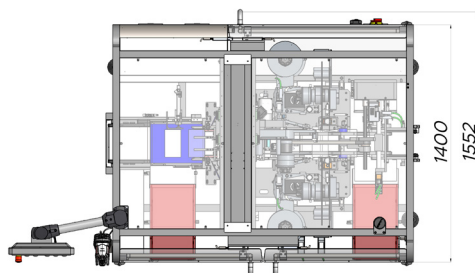
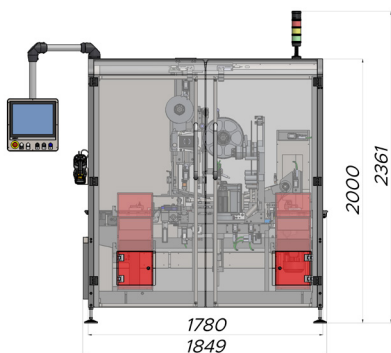
HIGHLIGHTS:

- **Output up to 300 products/min:** With consistent precision and quality.
- **Compact Footprint:** Extremely compact structure fits perfectly even in space-constrained environments.
- **Unified Human-Machine Interface (HMI):** All device functions are intuitively managed through a single, user-friendly touchscreen interface, simplifying operation and reducing training time.
- **CheckWeighing:** Equipped with high-end in-line scales for reliable weighing results.
- **Vignette Handling:** Supports both application of pre-printed vignettes and on-demand printing with integrated inspection.
- **Tamper evident:** Compatible with both tuck-in and reverse tuck-in flap designs.
- **Versatile Printing options:** Compatible with continuous inkjet, laser thermal transfer printers.
- **Printed Text Verification** – Utilizes OCR/OCV and pattern matching to ensure all printed data is accurate, legible, and compliant.
- **Automated Rejection System:** Features a smart rejection mechanism with integrated sensors to confirm successful removal of non-compliant products.
- **Modular Software Architecture:** Ensures robust operation in accordance with GxP and also reduces production line downtime required for validation.
- **Flexible Communication Interface:** Seamlessly connects with Track & Trace servers, recipe systems, MES, SAP, and other higher-level IT infrastructures.

TRACK & TRACE

The device's core software can be extended with a **Track & Trace** module, designed to meet the evolving demands of global pharmaceutical serialization and aggregation regulations. This module ensures compliance with all currently known regulatory requirements across key markets, including **Europe, USA, Russia, Japan, China, Saudi Arabia**, and more.

- **GS1-Compliant Code Grading:** Supports a wide range of serialization formats including 2D DataMatrix, 1D Code 128, GS1 DataBar, with real-time grading for quality assurance.
- **Seamless Integration with Aggregation Sub-Devices:** Integrates with various aggregation sub-devices such as casepacker, manual aggregation station and supports on-the-fly switching between device types during batch changeovers.



SPECIFICATIONS

Device dimensions (length x width x height) [mm]	1849 x 1400 x 2000
Device weight [kg]	1250
Minimum product dimensions (length x height x depth) [mm]	40 x 15x 70*
Maximum product dimensions (length x height x depth) [mm]	120 x 120 x 200*
Maximum tamper evident reel outer diameter [mm]	400**
Maximum label reel outer diameter [mm]	400***
Printer type Folding cartons	Continuous Inkjet or Laser
Printer type Vignettes	ThermoTransfer
Line Integration	Standalone or Integrated

*Specifications represent the standard configuration and are subject to customization based customer requirements.

**When using a 400 mm tamper-evident reel, only label reels up to 300 mm are compatible.

*** When using a 400 mm label reel, only tamper-evident reels up to 300 mm are compatible.