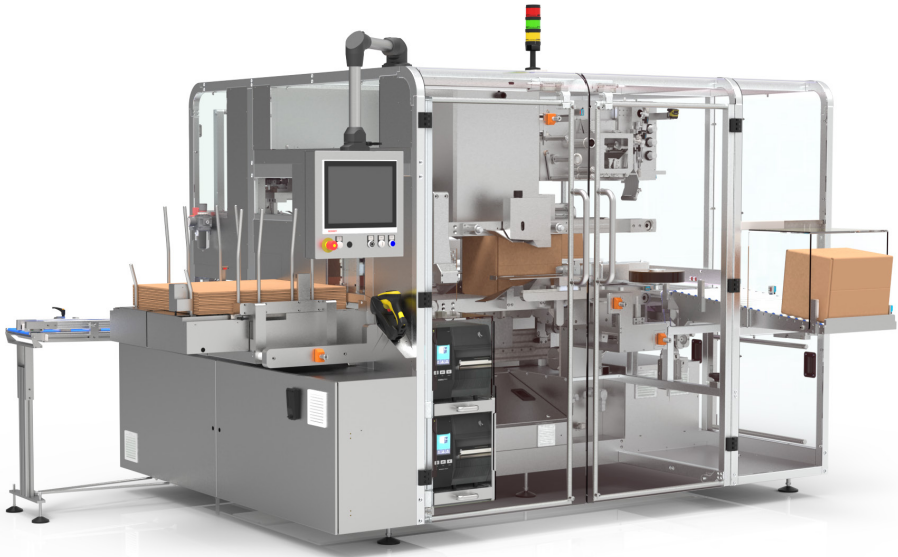




CP TRACK&TRACE DEVICES - SERIALIZATION

Pharmaceutical aggregation represents evolution of product serialization. It involves linking unique product identifiers to higher packaging levels—such as bundles, shipper cases, and pallets. Opticum devices ensure seamless integration into GxP-compliant environments and fully adhere to FDA 21 CFR Part 11 and EU GMP Annex 11/15 requirements, guaranteeing data integrity, traceability, and regulatory compliance.

CP – AUTOMATIC SIDELOAD CASEPACKER

The CP is a high-performance, fully automated solution for packing products (folding cartons, folding carton bundles) into shipping boxes.

The machine arranges products from the infeed conveyor into layers, which are then loaded into pre-formed shipping boxes. During the transfer of product layers into the box, a line camera system checks the completeness of the layers and/or product conformity. Full boxes are sealed with adhesive tape and conveyed toward the machine's exit. Before exiting, the labeling unit prints, applies, and verifies the presence of shipping labels on the boxes. Non-compliant boxes are diverted to the reject line, while compliant ones proceed to the exit.

Optionally, the system can be connected to a palletizer, enabling automatic stacking of boxes on pallets and automated printing and application of pallet labels.

HIGHLIGHTS:

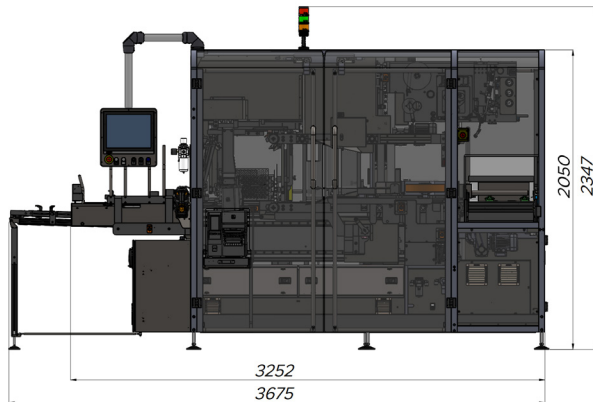
- **Processing speed 300+ products/min:** Depending on stacking configuration.
- **Compact design:** Optimized for space-constrained environments, allowing easy integration into existing production lines.
- **Quick setup:** Minimal number of format parts.
- **Reject of non-compliant boxes:** The system automatically removes boxes that do not meet quality criteria.
- **Flexible camera positioning:** Supports product imaging from the operator or rear side of the machine.
- **Quality control:** Completeness and/or conformity of boxes is verified using high-performance line cameras and optionally vacuum suction cups.
- **Large magazine:** Infeed magazine for approximately 50 shipping boxes.
- **Adjustable outfeed conveyors:** Length and position can be customized.
- **Sealing units:** Robust units support standard and tamper-evident adhesive tape.
- **Labeling:** Integrated labeling unit for printing and applying shipping labels (thermal transfer printers).
- **Modular software:** Ensures robust operation and reduced validation time in compliance with Good Documentation Practice (GDP).
- **Flexible communication interface:** Excellent connectivity with line controllers, recipe systems, and other systems.

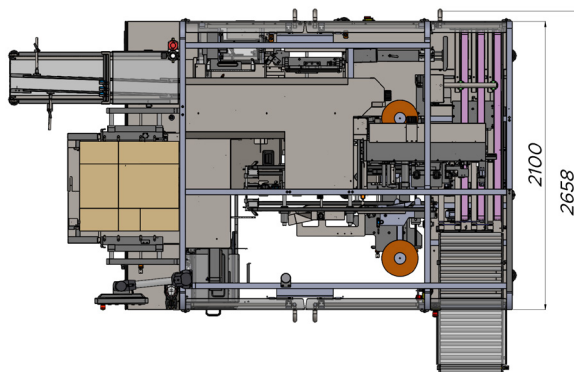
TRACK & TRACE

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.

- **Shipping case aggregation:** Manual product aggregation into shipping boxes and trays based on decoding codes printed on products such as 2D DataMatrix or 1D China code.
- **Shipping label printing:** Automated printing, application, and presence check of shipping labels.
- **Pallet aggregation:** Manual aggregation of Shipping boxes onto pallets using a handheld code reader. *
- **Pallet label printing:** Automated printing, manual application, and manual presence check of shipping labels by using handheld code scanner.
- **Connectivity with various line controllers:** Compatible with CPC, FPPV, LM line controllers, with ability to change connection on the fly, during batch changeover.

**Operation is fully automated when automatic palletizer is in use.*





TECHNICAL SPECIFICATIONS

Device dimensions (length x width x height) [mm]	Type CP3200-400 3675 x 2660 x 2400 Type CP3600-600 4200 x 2660 x 2400
Device dimensions with palletizer [mm]	Type CP3200-400 5100 x 2780 x 2600 Type CP3600-600 5630 x 2780 x 2600
Device weight [kg]	2000-2500*
Minimum product dimensions (length x height x depth) [mm]	45 x 20 x 70
Maximum product dimensions (length x height x depth) [mm]	110 x 110 x 170
Minimum dimension of shipping box (length x height x depth) [mm]	Type CP3200-400** 320 x 180 x 180 Type CP3600-600** 320 x 180 x 180
Maximum dimension of shipping box (length x width x height) [mm]	Type CP3200-400** 410 x 350 x 350 Type CP3600-600 600 x 400 x 400**
Printer type	ThermoTransfer
Line integration	Integrated

*Machine weight depends on configuration.

**Specifications reflect the standard configuration and can be fully customized to meet specific customer requirements.