PACKSTATION™ CAP

COMPLETELY AUTOMATED AGGREGATION SOLUTION FOR CASE PACKERS

PHARMA **MEDICAL DEVICES**

OPTEL's **PackStation™ CAP** identifies which items are packed together in order to build the parent/children relationship (aggregation), allowing the tracking of which items are in which cases. With our extended retro-fit experience on various kinds of case packers, OPTEL can present the appropriate solution to maintain your machines' highest efficiency. With our unique TrackSafe™ Data Matrix reading technology, you get the most efficient reading, ensuring maximum performance of packing operations.

KEY FEATURES

- Can be installed in any case packer
- Aggregation with **no impact on case packer maximum throughput**
- EPC 2D, EPC 1D and barcode inspections on case label, including grading
- Designed to match case packer format ranges
- Toolless changeovers

BENEFITS

- Compliance with regulations
- 21 CFR Part 11 and European Annex 11 compliance
- User-friendly interface

OPTEL
Traceability technologies for a better world

PACKSTATION™ CAP

PERFORMANCE	
Designed for	Bottles, cartons, bundles, cases

VISION SPECIFICATIONS		
	Children	Parent
Field of View	Up to 600 mm x 350 mm	160 mm x 134 mm
Decoding Capability	2D	1D, 2D
Data Matrix Module Size	From 0.28 mm	From 0.27 mm
Linear Barcode Line Width	N/A	From 0.17 mm

UTILITIES		
	SPC001	SPC002, SPC003
Power Requirements	120-240 VAC 50/60 Hz	120-240 VAC 50/60 Hz
Compressed Air	N/A	6 bar (90 psi)

[61.6 in] 1,565 mm
[18.3 in] 465 mm
[11.8 in] 300 mm

CHILDREN CAMERA SETUP

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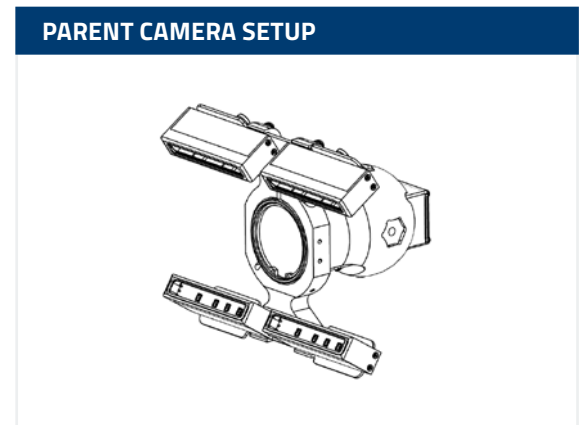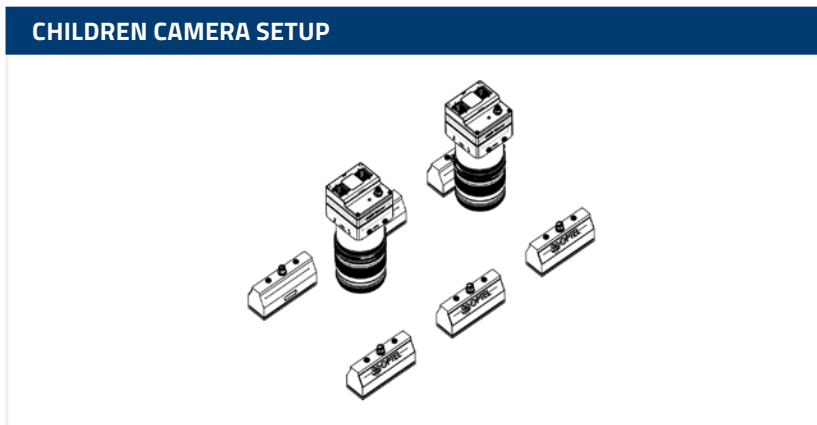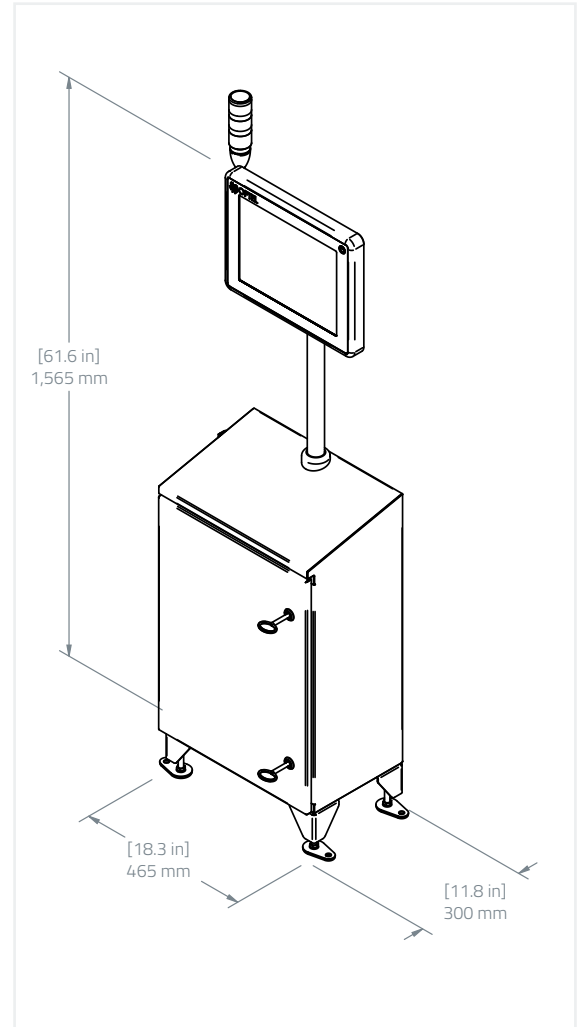
The figures above illustrate an example of a typical installation. OPTEL has a wide range of solutions to fit the particularities of your specific packaging lines. Mechanical drawings to be approved during engineering process. Contact us for details.
Other modules and options are also available; contact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

AGGREGATION PROCESS OVERVIEW

Aggregation is the action of associating a container (parent) to its contents (children). This process is handled with the help of the OPTEL LineMaster™ system.

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 PackStation™ CAP and other usual elements used within a typical aggregation process, which includes these main steps.

1 CHILDREN VERIFICATION
An image of the codes printed on layered items is inspected and verified by comparing it to a reference image. The result of the inspection is communicated to the OEM, which accepts or rejects the items.

2 PRINTING
A serialized case label is printed and applied when the children verification is successful.

3 CASE LABEL INSPECTION
The label is inspected by comparing it to a reference image once the case reaches the appropriate sensor. The result of the inspection is communicated to the OEM, which accepts or rejects the items. If the inspection is successful, the items are associated (aggregated) to the case.

4 EJECTION
If the case is deemed defective, it is ejected either by OPTEL (Option OPT) or the OEM (Option OEM).

PRINTING **2**

CASE LABEL INSPECTION **3**

EJECTION **4**

1 CHILDREN VERIFICATION
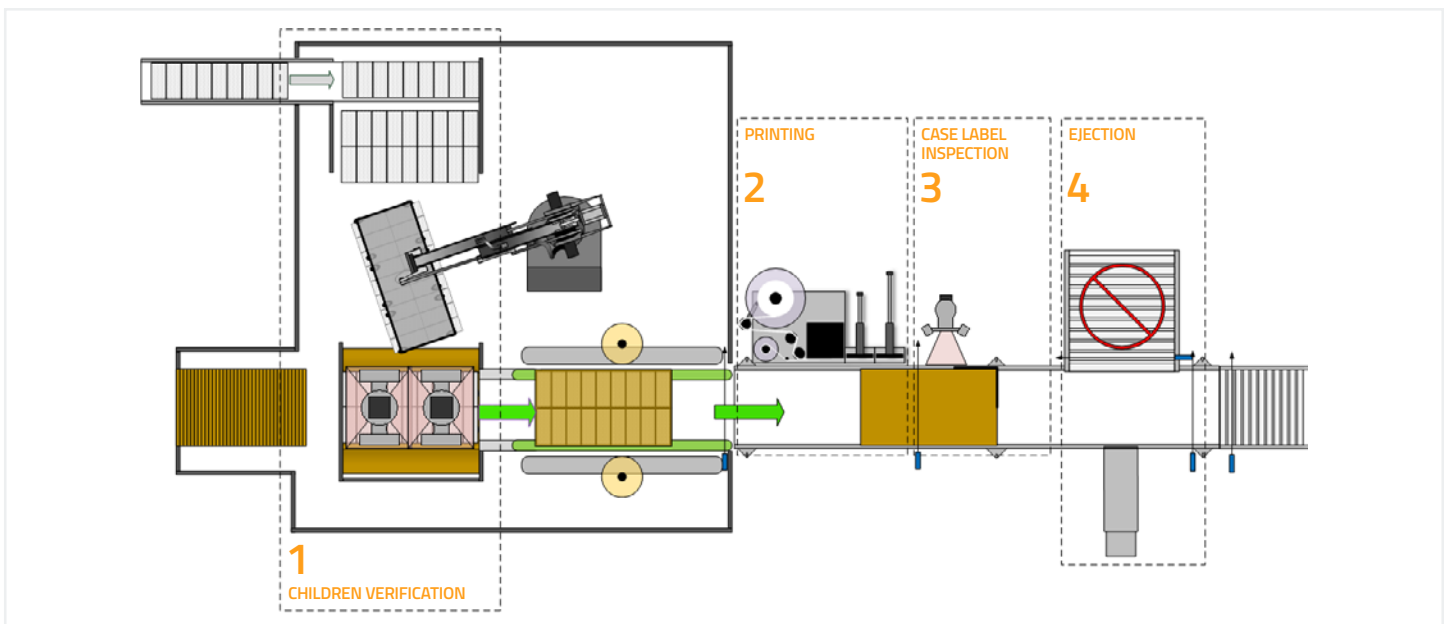
ORDERING INFORMATION – STANDARD SOLUTION CONFIGURATION

Encompassing all of OPTEL's expertise and legacy, this standard PackStation™ CAP configuration is a predesigned hardware and software solution that meets your aggregation needs quickly and cost-effectively, while conforming to 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
- Product samples
- User requirements specifications (URS)
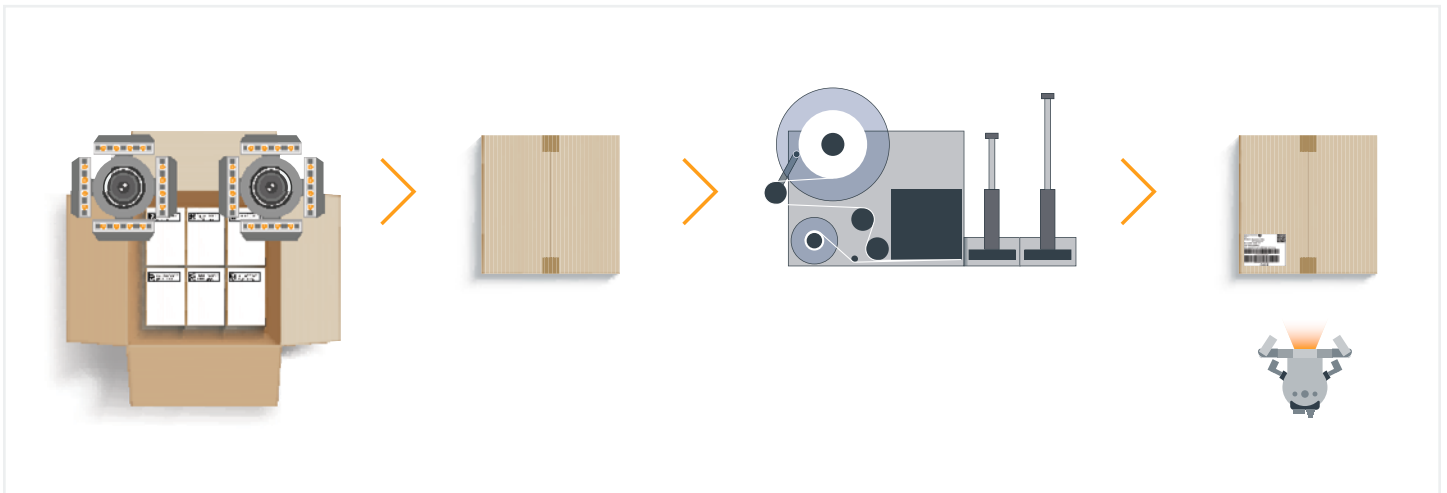- Product Matrix
- Floor layout

PACKSTATION™ CAP
SPC001 – STANDARD SOLUTION SPECIFICATIONS

- Floor-mounted electrical enclosure
- OPTEL HMI on enclosure
- Multi-segment LED tower light indicator
- Bypass key
- Camera for case label inspection with universal mounting kit
- Inspection result signals for case packer
- OP300 software
- Barcode analyzer

NOTES:

- *Preliminary lead time: 8-12 weeks*
- *Available scenarios: Layer-by-layer in case, layer-by-layer at collation zone and row-by-row at collation zone*
- *Label printer is supplied by OEM or customer*
- *If OEM requires modifications, variances may be charged*
- *Tracking process is managed by OEM or customer by sending zone transfer signals*
- *No validation documentation included*
- *Need option SPC002 for children verification*

SALES ITEM	SOLUTION	SPECIFICATIONS
SPC001	PackStation™ CAP	*Refer to the specifications on the preceding page*

SALES ITEM	OPTIONS	SPECIFICATIONS
SPC002A	Pack-and-Scan Children verification (350 x 350)	• Camera for children case content verification (FOV < 350 mm x 350 mm)
SPC002B	Pack-and-Scan Children verification (600 x 350)	• 2 cameras for children case content verification (FOV < 600 mm x 350 mm)
SPC003	Software Tracking	• OP300 manages tracking of products with software configuration • Tracking is managed by OPTEL up to ejection station *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.*
SPC004	Hardware Components for Tracking	• Tracking is managed by OPTEL up to ejection station • Encoder with mounting kit • Pneumatic ejector with mounting brackets • Camera trigger sensor • Ejection bin with ejection confirmation sensor • Resynchronization sensor • "Good product" confirmation sensor *No emergency stop or security features are supplied* *Safety handled by OEM*
SPC005	Hardware Components for Tracking and Outfeed Conveyor	• Outfeed conveyor • Tracking is managed by OPTEL • Encoder with mounting kit • Pneumatic ejector with mounting brackets • Camera trigger sensor • Ejection bin with ejection confirmation sensor • Resynchronization sensor • "Good product" confirmation sensor *No emergency stop or security features are supplied* *Safety handled by OEM*
SPC006	Panel-Mounted HMI	• Panel is installed in a cutout on OEM machine • Multi-segment LED tower light indicator *OEM is responsible for installation*
SPC007	Floor-Mounted Print-and-Apply Labeler	• Domino M400 corner-wrap label applicator • Zebra ZE500 print engine • Domino mounting stand

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