

Solutions

FULL IMAGE OF THE LAYER
INSIDE THE CASE PACKER IS
POSSIBLE

Case packing automatic



FULL IMAGE OF THE LAYER
INSIDE THE CASE PACKER IS
NOT POSSIBLE

1. Sentinel station

to avoid that an unreadable code enters the case packer

2. HRC Hi-Resolution camera

to take a full picture of the complete layer

3. Print & Apply module

to label the case

4. Camera

to verify the printed label



1. Sentinel station

to read each single inbound pack and to avoid that an unreadable code enters the case packer

2. Last-code reading camera

to read the last code entered the case packer thus guaranteeing perfect synchronization

3. Print & Apply module

to label the case

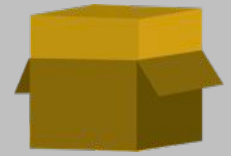
4. Camera

to verify the printed label

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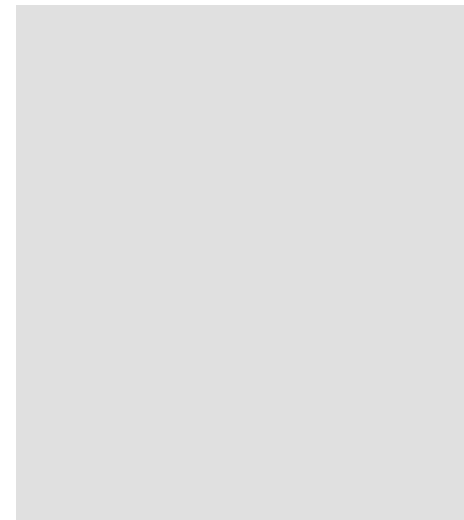
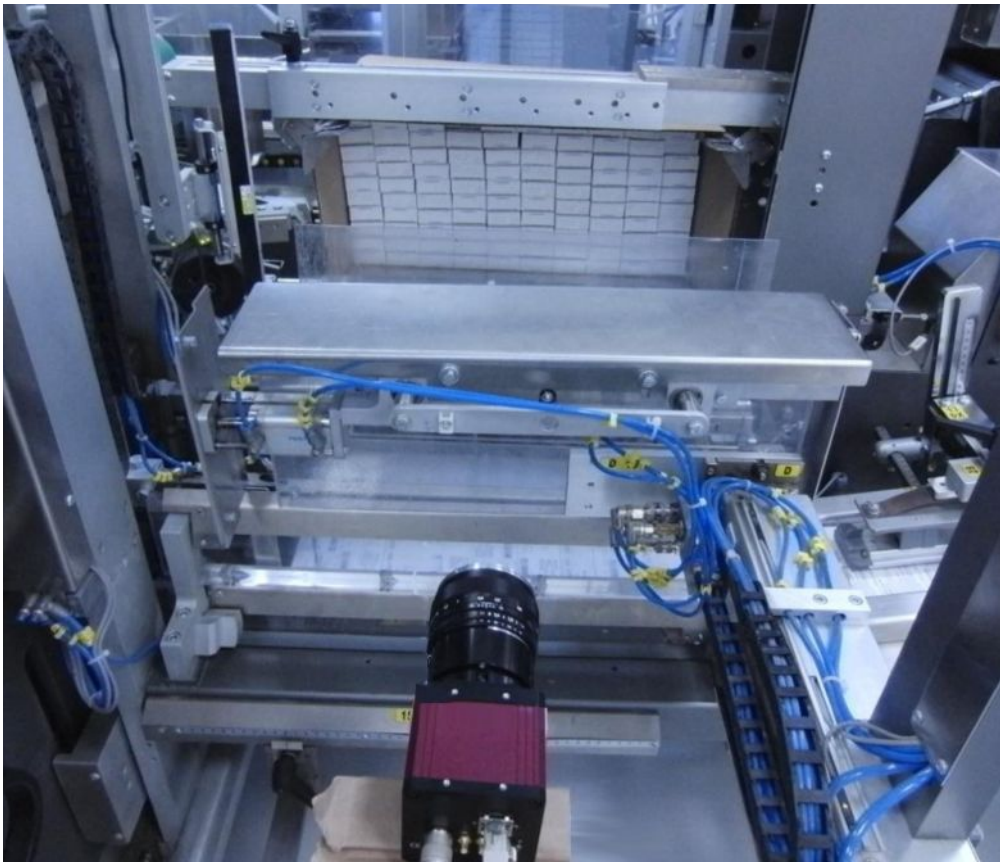
OTHER CUSTOM SOLUTIONS
IN THE CASE PACKER



Case Packing Aggregation

Several custom solution are available to verify the contents of the cases and build the aggregation tree. Solutions range from camera reading codes just before entering the case packer, to high resolution cameras fitted inside the case packer itself, according to space availability and machine layout.

Aggregation modules



Standard hardware:

- High resolution camera (covered area 450x350mm)
- Twin High resolution cameras (covered area: 450x600mm)
- Sweeping system: a mechanical moving system to cover virtually any dimension of the case. This system is based on a multiple camera architecture can read up to 150 codes, acquiring several images of the case layer (300mm height).

Solutions

WHEN LOW-THROUGHPUT &
LOW-COST IS REQUIRED

Case packing manual



WHEN HIGH-THROUGHPUT
IS REQUIRED



MANUAL STATION



ARRAY
STATION



MATRIX
STATION



MATRIX
STATION
EXTENDED

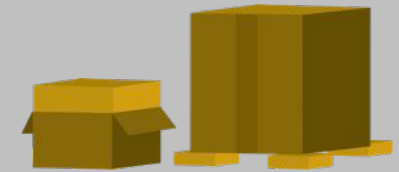


MATRIX
STATION
TOP VIEW

Manual Station

Based on a Pc station with a 2D handheld reader and a desktop printer, this station is designed for manual aggregation of bundles and cases when low production rates are requested. The stainless steel structure holding the bundles or case can be rotated for maximum operator ergonomics.

Aggregation modules



Dedicated software for case aggregation

IPC 15" Touch Screen

PTS - Packing Tracking System software module
Electrical cabinet

Stainless steel desk structure adjustable in angle and transportable on wheels
Hand held Datamatrix reader

Zebra printer model ZM400

Once the correct number of items has been scanned by the 2D handheld scanner, according to the format chosen by the operator through the HMI, the ZEBRA printer will issue the upper level item label. When the operator scans the issued label, and this proves to be readable, the aggregation takes place, at a database level. The label is manually applied by the operator. Multi-label formats can be selected.

Array Station

This station is designed for medium productivity in the manual packaging operations, performing multiple reading of several Datamatrix codes handled in one or two lines.

The mechanical frame of the station is studied to optimize operator's efficiency and ergonomics.

Aggregation modules



IPC 15" Touch Screen
PTS - Packing Tracking System software module
Electrical cabinet
Stainless steel desk structure adjustable in angle and transportable on wheels
Hand held datamatrix reader
Zebra printer model ZM400
Multiple reading window 400x80 mm



Matrix Station

Matrix station is designed to maximize productivity in the manual packaging operations, performing multiple reading of the Datamatrix codes handled in several lines together. It can be used to aggregate cartons to bundle, cartons to case,

bundles to case, cases to pallet. The mechanical frame of the station is studied to optimize operator's efficiency and ergonomics and includes support for printer and an adjustable support for cases.

Aggregation modules



IPC 15" Touch Screen

PTS - Packing Tracking System software module
Electrical cabinet

Stainless steel desk structure adjustable in angle and transportable on wheels
Hand held datamatrix reader

Zebra printer model ZM400

Multiple reading window 400x200 mm



Matrix Station Extended

This station is designed to maximize productivity in the manual packaging operations, performing a reading of the Datamatrix codes of cartons when fit into a case, by facing the open case with the cartons' layer against the glass and triggering the camera system. It is normally used to aggregate cartons to case.

Aggregation modules



IPC 15" Touch Screen
PTS - Packing Tracking System
software module
Electrical cabinet
Stainless steel desk structure
adjustable in angle and
transportable on wheels
Hand held datamatrix reader
Zebra printer model ZM400
Multiple reading window 550x430
mm

The principle is similar to the matrix station. The vision system, triggered by a switch, performs the reading of groups of DATAMATRIX. If there is any unreadable or wrong code, the HMI informs the operator

Matrix Station Top View

This station is designed to maximize productivity in the manual packaging operations, performing a reading from the top of the Datamatrix codes of cartons when fit into a case. It is normally used to aggregate cartons to case.

Aggregation modules



IPC 15" Touch Screen

PTS - Packing Tracking System
software module
Electrical cabinet

Stainless steel desk structure
adjustable in angle and
transportable on wheels
Hand held datamatrix reader

Zebra printer model ZM400

Multiple reading window 500x300
mm