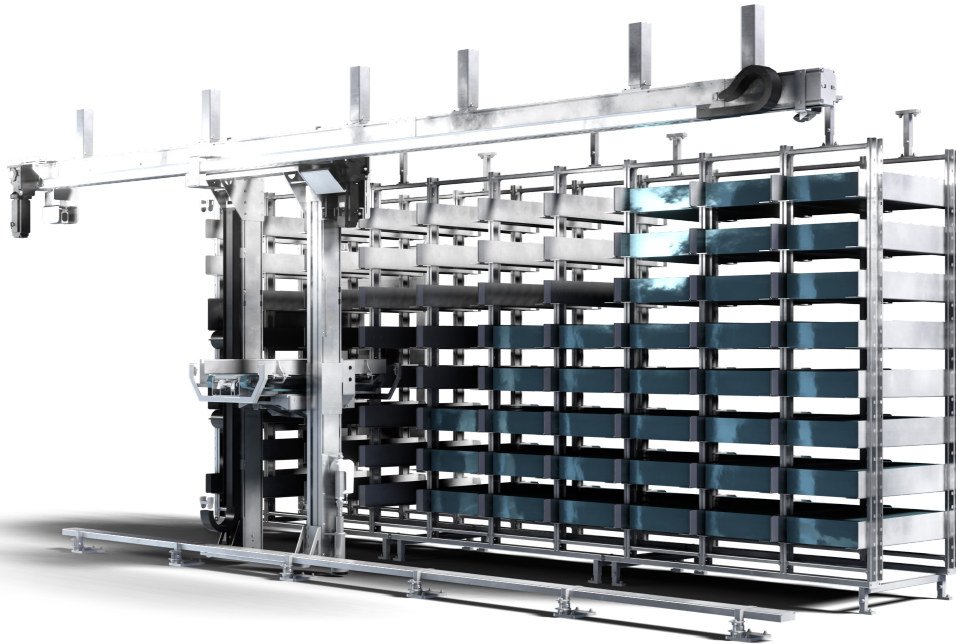


## Optimar Product Sheet- Optifreeze Z1 Hotel



# Optifreeze Z1 Hotel™

The facilitator for sorted stacks of frozen goods in onboard palletizing.

## How does it work:

Z1 gathers frozen products (any given number of different cartons / bags with agreed size), and temporarily store them in a shelf system inside a freezing room (hotel). When an equivalent of a full pallet of a product is stored in the shelves, it goes out from the Z1 and further to palletizing.

As they are entering the system, a hatch opens and a XY-axed servodriven elevator unit will pick up the product and run it to a suitable spot for temporary storing. Next and in between the XY-elevators may provide finished sortings for palletizing, as soon as there is enough for a full pallet. It can run infeed simultaneously with direct palletizing ongoing in parallel, so that all goods types except one goes to the hotel. This gives a total factory palletizing capacity higher than that of the hotel receive rate. At all time you have a full overview via HMI screens of the present contents in the hotel, and you can make signal whenever you want to run a new pallet and of which sort you want. You can create specific mixed pallets based on your requested setup.

## Capacity:

Capacity depends on the following factors: Length and height of freezing room, number of products on shelf, and number of infeed. Example: Room: 8m length, 2,95m height, 4 master cartons on shelf and 1 infeed:

- Receive rate:  $\geq 2$  cartons per. minute.
- Deliver rate:  $\geq 8$  cartons per. minute.

Higher capacity rates are available with the Optimar Z2 hotel system.

## Specifications:

- All made from Stainless steel and/or other corrosion resisting materials.
- Omron Control System and HMI.
- Power Supply 3phase ,440V/60Hz, 15kW.
- Power Supply 1phase ,230V/60Hz, 2,2kW.
- Comp. Air 7 Bar, Approx.: 30NI/min. ISO 8573-1 Class 3,3,4.

### *Included:*

- Shelf Racks with space for any number of different sortings, and 200-800 cartons depending on your selected configuration.
- Telescopic conveyor.
- Horizontal Axis.
- Vertical Axis.
- Infeed conveyor.
- Outfeed conveyor.
- Climate hatches in/out.
- Safety Door.
- Servo control system including touch screen HMI and control panels.

Insulated freezing room and refrigeration system is not included. Other specifics are provided upon signing of purchase agreement.

