FINMATEC
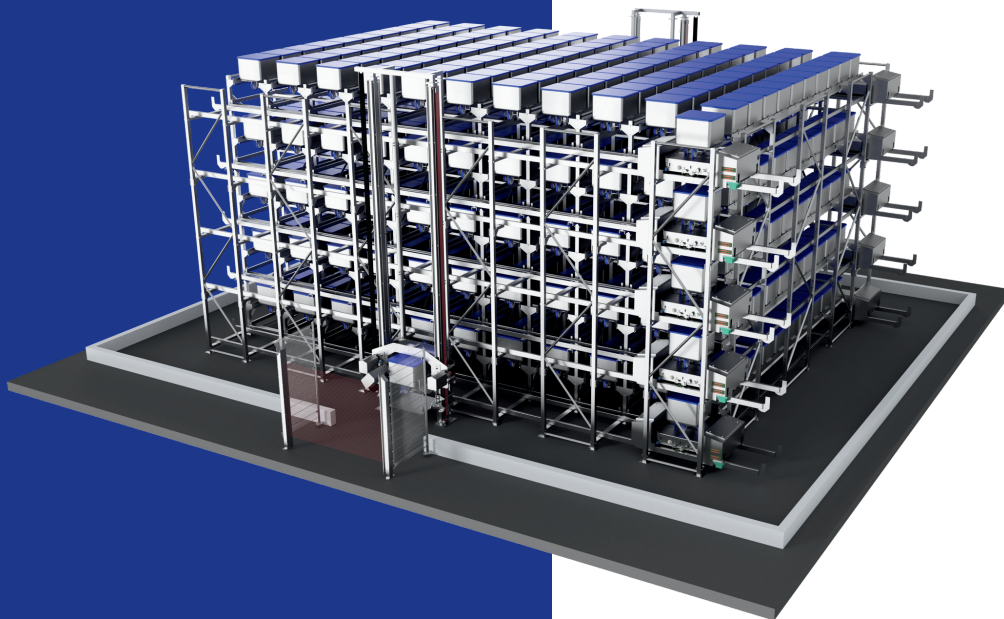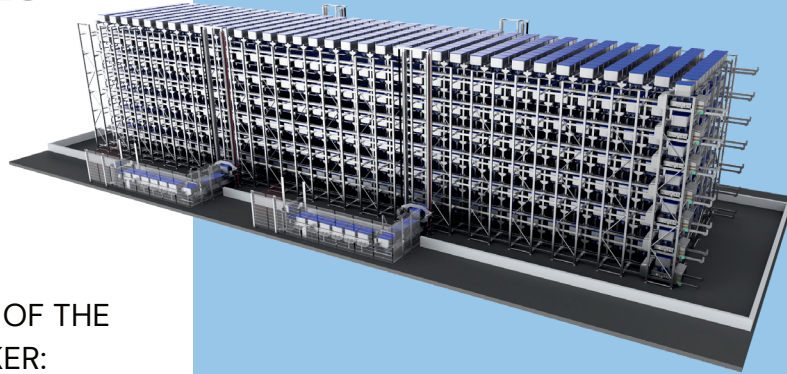
MEET THE BINSTACKER®

– a patented revolutionary storage solution for all kinds of meat before or after further processing

The BinStacker is your ideal solution for effortlessly and efficiently stacking Eurobins, SS containers, and Dolavs. Save labour costs, space and time by investing in a smart system that takes your cold storage to another level.
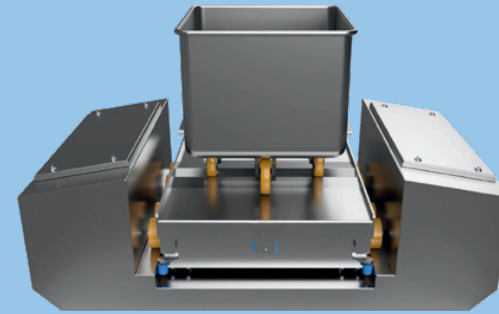

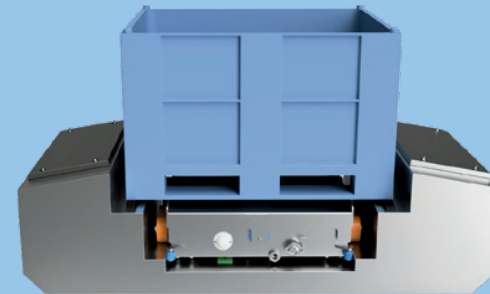**A PATENT-APPROVED INVENTION BY FINMATEC**
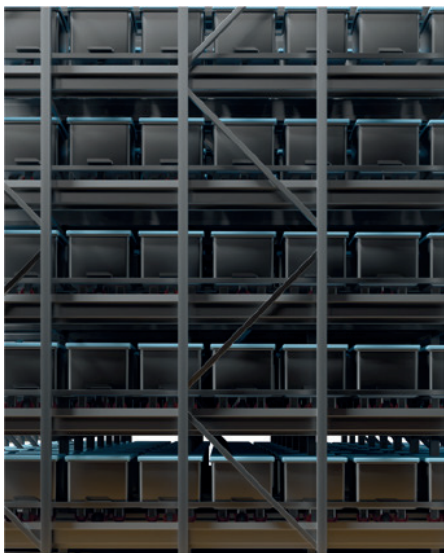
BENEFITS OF THE BINSTACKER:

- Optimized space due to automatic stacking possibilities
- Energy savings - lower need for cooling energy due to maximized storage room utilization
- Reduced need for manual handling
- Upgraded system traceability

- Increased capacity
- Enhanced cleanability and food safety procedures
- Integrated weight registration at the infeed point
- Full traceability with RFID or Barcode identification

EURO BINS

DOLAVS

The BinStacker is your all-in-one solution for storing food efficiently. With it's many options for add-ons and accessories, your ceiling is the only limit.

MORE INFO ON THE BINSTACKER :®
www.binstacker.com

HOW IT WORKS
The BinStacker system is a multi-level smart storage system that loads and unloads the bins to and from the multi-level storage with a wireless control system running on the X and Y axes.

The battery-driven technology is equipped with automatic charging during operation for a long-lasting solution that enhances food safety, improves cleanability and simplifies storage management. The BinStacker solution has a storage management software system and runs with Siemens PLC system.

The system is suitable for Euro bins, SS containers and Dolavs.

THE PRODUCT FAMILY

We offer five models in different sizes to ensure that you get the most out of your space, with multiple options for add-ons that make your system scalabe.

BINSTACKER PRODUCT FAMILY

FARENHEIT S100 — 4,4 m, 9,1 m, 7,2 m
FARENHEIT S300 — 5,6 m, 15,5 m, 9,5 m

CELCIUS M550 — 6,9 m, 13,4 m, 12,3 m
CELCIUS M1000 — 8,2 m, 20,2 m, 12,3 m
KELVIN L2500 — 9,5 m, 39,9 m, 12,3 m

BASIC INFORMATION	FARENHEIT S100	FARENHEIT S300
Storage typ	FILO	FILO/FIFO
Product storage capacity (tons)*	22,7 tons	56 tons
Number of bins	126	312
Number of floors	3	3/4
Storage lifters	1	1 (2)
Infeed and outfeed capacity, pcs/h**	30	30 (60)
Quantity of channel shuttles***	3	4 (8)

BASIC INFORMATION	CELCIUS M550	CELCIUS M1000	KELVIN L2500
Storage typ	FILO/FIFO	FIFO	FIFO
Product storage capacity (tons)*	99 tons	183 tons	441 tons
Number of bins	550	1020	2450
Number of floors	4/5/6	4/5/**6**	6/7/8
Storage lifters	1 (2)	4	8
Infeed and outfeed capacity, pcs/h**	30 (60)	120	240
Quantity of channel shuttles***	5 (10)	12	14

TECHNICAL DATA AND FUNCTIONS	S100	S300	M550	M1000	L2500
Stainless steel grade materials	O	O	O	O	O
Euro Bins and Meat Carts (200l)	O	O	O	O	O
Automatic storage lifter, capacity 300kg	O	O	O	O	O
AS/AR system – Feeding & Channel shutters, 24/48 VDC	O	O	O	O	O
AS/RS – Automatic charging system	O	O	O	O	O
AS/RS – WLAN controlled	O	O	O	O	O
IP66	O	O	O	O	O
Main electrical cabinet, IP40 (Dry environment)	O	O	O	O	O
PLC Siemens 1500-S7	O	O	O	O	O
Control panel Siemens Comfort TP1200, IP68	O	O	O	O	O
Frecuency converters Siemens					
Safety equipment SICK	O	O	O	O	O
Storage tempeture +1 to +25 °C	O	O	O	O	O
High clean execution	O	O	O	O	O
Full wash down	O	O	O	O	O

*Raw material (net product weight of 180kg/bin)
**Simultaneous infeed/outfeed speed to be calculated separately, depending on spec.
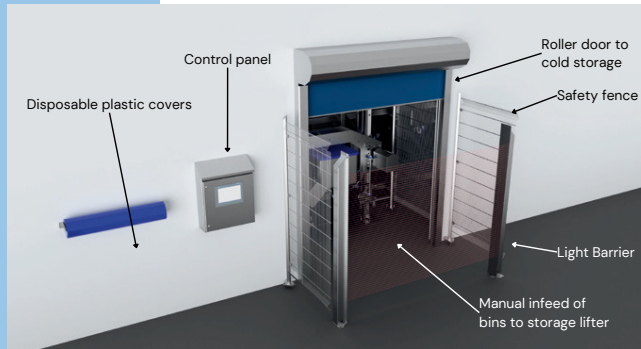***The quantity of channel shuttles is dependent on the number of storage floors defined

OPTIONS

INFEED & OUTFEED
- Infeed lifter
- Infeed/outfeed buffer conveyors (the standard configuration for Celsius M1000 and Kelvin L2500 includes ten pieces)
- Weight registration

- RFID registration
- Barcode registration
- Wheel cleaning system
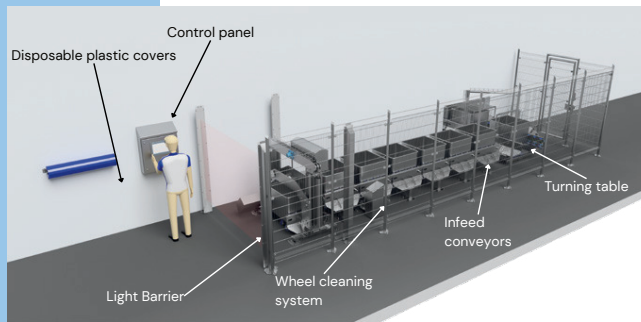- Doubled capacity (not applicable for Fahrenheit S100)

ADD-ONS
- Different number of floors
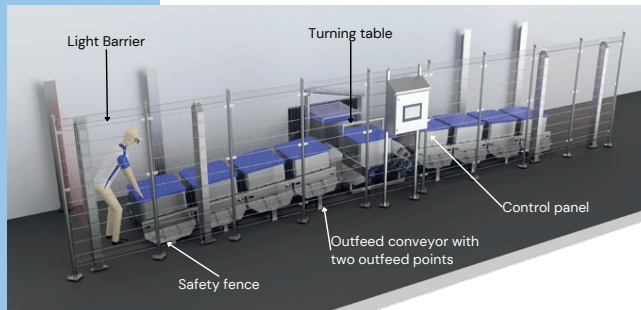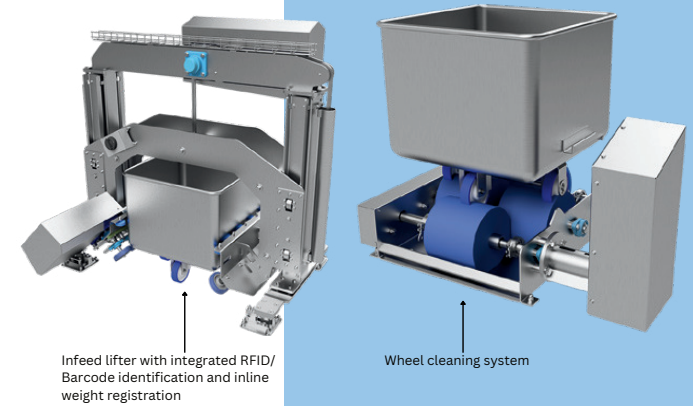- 300 L Euro Bin/Meat Cart
- Dolav container
- SS Container

SERVICE
- Cleaning & service platforms
- Overhead crane – Shuttle lifting system
- Mobile HMI – Manual mode
- Service contract – 2 years/5 years

ACCESSORIES
- Disposable plastic covers (to avoid contamination between floors)
- Floor bottom sheets (to avoid contamination between floors)
- Stainless steel covers
- 200 L Euro bins
- Cabling main cabinet –> equipment
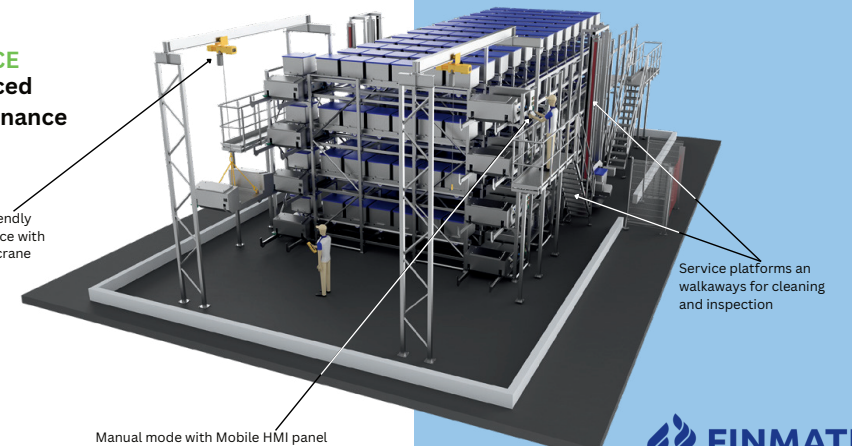- Integration with customer ERP
- Warehouse Management Software

Infeed of bins
STANDARD

- Control panel
- Disposable plastic covers
- Roller door to cold storage
- Safety fence
- Light Barrier
- Manual infeed of bins to storage lifter

Infeed of bins
OPTIONAL

- Control panel
- Disposable plastic covers
- Turning table
- Infeed conveyors
- Light Barrier
- Wheel cleaning system

Outfeed of bins
OPTIONAL

- Light Barrier
- Turning table
- Control panel
- Outfeed conveyor with two outfeed points
- Safety fence

Features at infeed
OPTIONAL

Infeed lifter with integrated RFID/Barcode identification and inline weight registration

Wheel cleaning system

SERVICE
Enhanced maintenance

- Service friendly maintenance with overhead crane
- Service platforms an walkaways for cleaning and inspection
- Manual mode with Mobile HMI panel

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Finmatec is a Nordic supplier of systems for handling raw materials in the food and processing industries. We take full responsibility for delivering solutions tailored to our customers' needs.

Our mission is to optimize productivity through customized solutions based on our extensive know-how and years of experience.

You can learn more about our BinStacker at **www.binstacker.com**

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