

# Kardex Remstar in association with Intertex

Storage and retrieval solutions for extremely  
heavy and long goods



# Kardex Remstar Towermat:

## Efficient and space-saving storage of oversized and heavy goods

### Towermat vertical lift system - perfect space optimization for heavy items

Stock with extreme dimensions and heavy goods require particularly well-thought-out storage logistics. Previously, unprofitable use of space for the storage of long goods, metal sheets, tools, pallets or mesh baskets cause extremely complex handling issues and lead to higher costs in the long term. Kardex Remstar supplies dynamic and flexible solutions for these special demands: Towermat vertical lift systems. Goods with a total weight of up to 11,023 lbs (5,000 kg) per tray can be efficiently integrated into the storage logistics process with the Towermat. The flexible design of the Towermat makes it possible to make optimal use of the available space; making the most of existing ceiling height and minimizing foot-print. The result: much greater storage capacity and more productive material handling.

### Technical data

#### System height

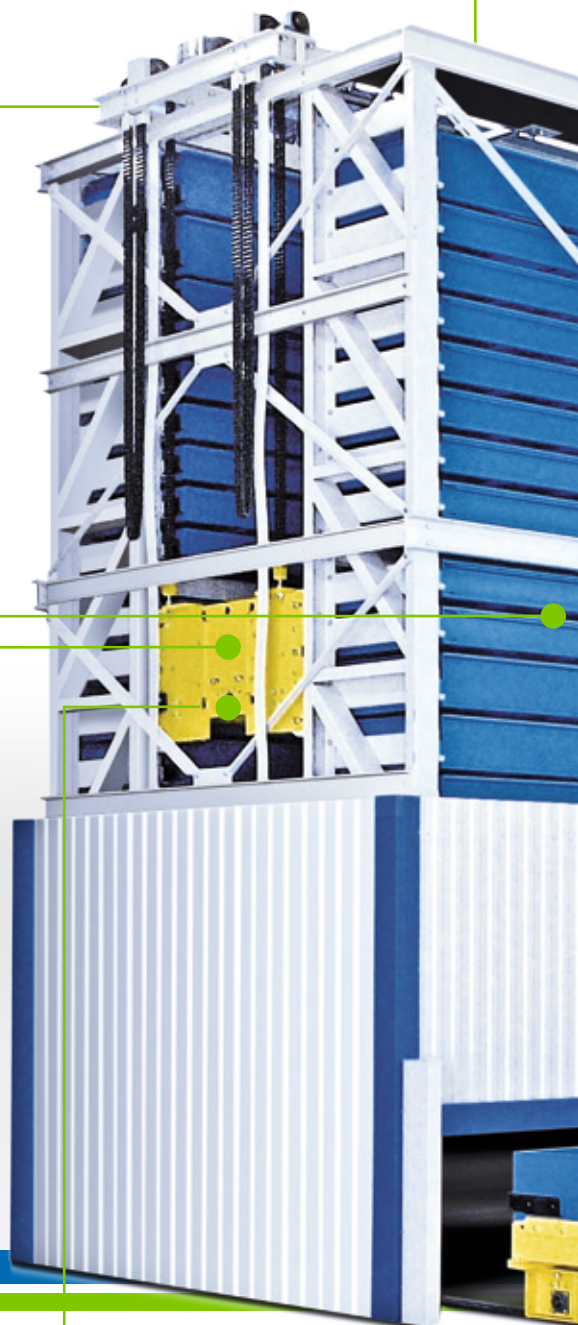
| Towermat | FE                 | EE                |
|----------|--------------------|-------------------|
| up to    | 25,000 mm (984 in) | 7,620 mm (300 in) |

#### Carrier unit

|             |                    |                   |
|-------------|--------------------|-------------------|
| Width up to | 12,000 mm (472 in) | 8,200 mm (323 in) |
| Depth up to | 2,000 mm (78 in)   | 1,500 mm (59 in)  |

#### Max. load per carrier unit

|      |                       |                      |
|------|-----------------------|----------------------|
| max. | 4,545 kg (10,000 lbs) | 2,730 kg (6,000 lbs) |
|------|-----------------------|----------------------|



1

**Capacity:**  
Carrier loads from  
500 kg to 4,545 kg  
(1,100 to 10,000 lbs)

2

**Strength:**  
A multistory and space-filling  
design is made possible by  
high-performance servo  
motors

3

**Dynamics:**  
The stacker crane  
transports the goods  
quickly and safely



## ▲ Towermat EE standard vertical lift system

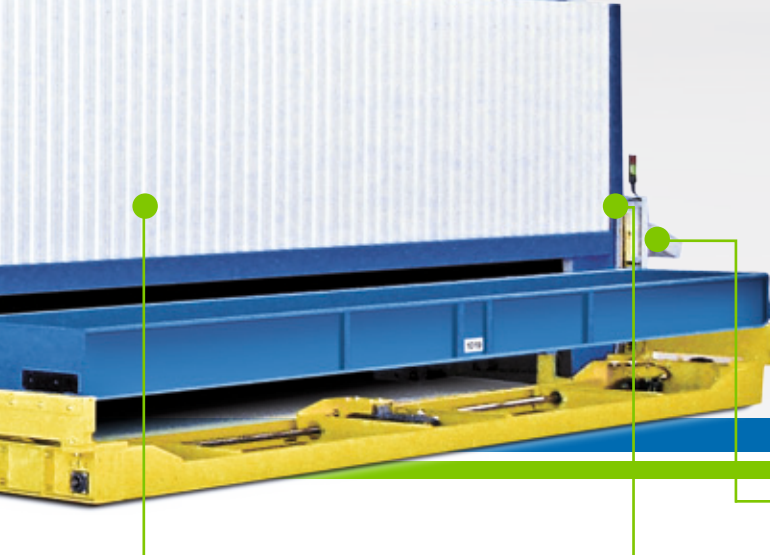
Small and medium-sized quantities are efficiently integrated into the intralogistics process in the compact Towermat EE single tower.

The extractor can automatically move sheet metal measuring up to 1,500 x 3,000 mm (59 x 118 in) or long goods measuring up to 900 x 8,200 mm (35 x 323 in). The standard model is designed for maximum loads of 2,730 kg (6,000 lbs) per tray and a total capacity of up to 50 t per unit.

## ◀ Towermat FE double tower version

The Towermat FE can cope with special demands thanks to the clever design featuring two storage towers and a centrally operated stacker crane. There is almost twice the storage capacity on a similar footprint compared to the standard design. In addition, each storage tower can be built higher and store larger volumes.

The fully automatic process is both safe and fast.



4

**Design and safety:**  
The unit's safety cover is available as a wire mesh fence or sheet metal housing

5

**Communication:**  
Certified interfaces for secure communication between Towermat, all Shuttle® XP systems, and Power Pick® Global

6

**User-friendly:**  
The unit can be easily controlled via a touch screen panel



## Large and flat design – the ideal system for sheet metal

Materials with large surface areas measuring up to 2,000 x 6,000 mm (78.7 x 236 in) are stored in a particularly space-saving manner in the Towermat storage lift for sheet metal and are automatically transported to the operator. This allows loads of up to 4,545 kg (10,000 lbs) per tray to be transported simply and safely. Kardex Remstar supplies special designs with one or two storage towers to meet the requirements of different storage volumes.



## Space-saving solutions for long goods

User-friendliness is also important when storing long goods. Pipes, steel bars and similar goods, each up to 12,200 mm (480 in) in length, can be very efficiently stored and fully automatically transported. The ability to store loads of up to 4,545 kg (10,000 lbs), the small footprint and the particularly high storage density are all impressive features. The flexible options for adapting the vertical lift system make it possible to meet individual customer requirements, such as creating a direct connection to saws.





## The all-round talent for storing pallets

Flexible solutions can adapt as needs change. Kardex Remstar also follows this principle when it comes to the storage logistics of particularly heavy loading equipment such as pallets and mesh baskets. The flexibility and adaptability of the Towermat means that virtually any material weighing up to 4,545 kg (10,000 lbs) can be stored extremely efficiently on each tray. Optimal productivity in the area of material handling and retrieval is achieved by adapting the unit to the customer's existing systems and building layout.



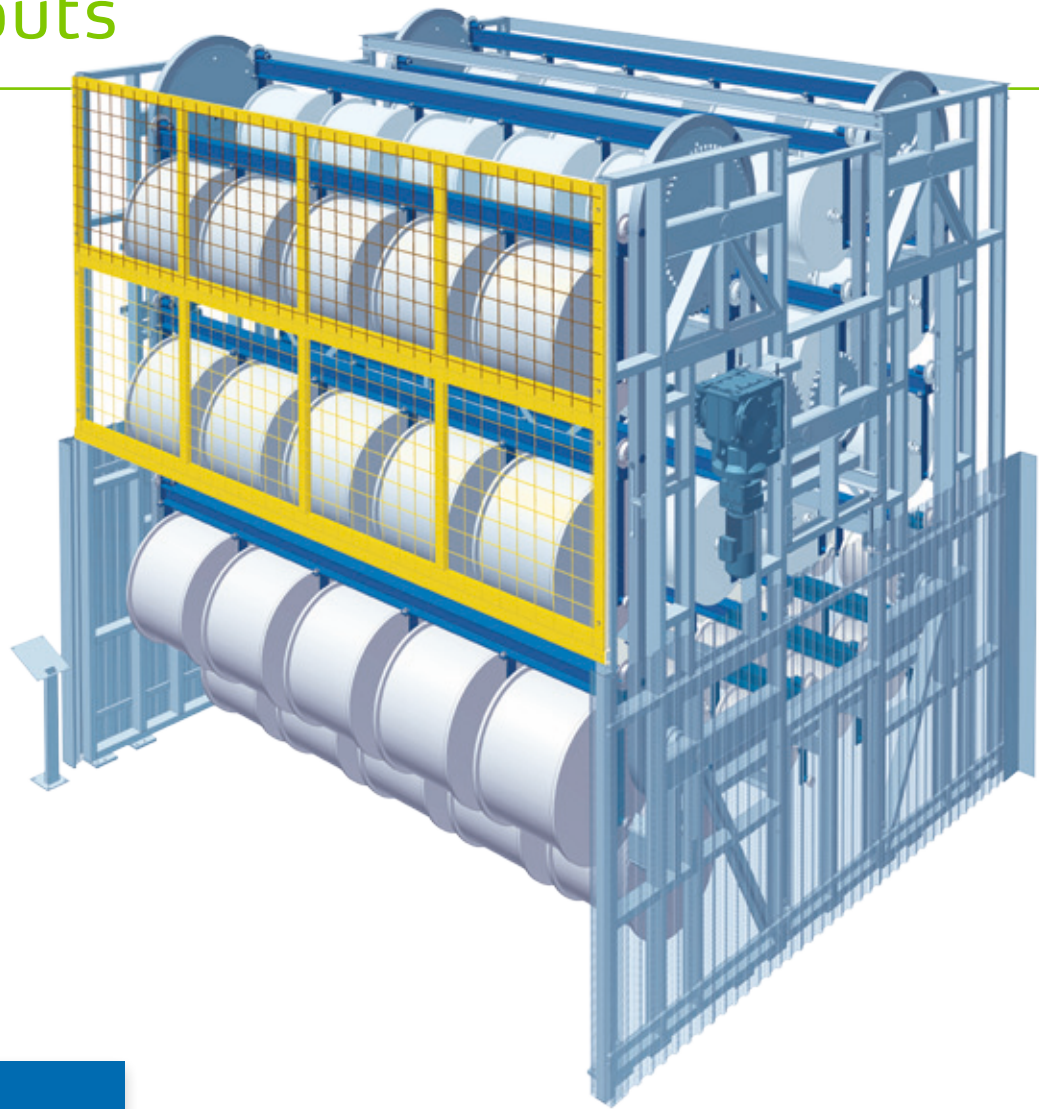
## Flexibility for special forms such as tools

Storing heavy, bulky tools is especially challenging: Heavy loads and irregular shapes must be stored in a way that saves space and allows them to be safely put away and retrieved. Adapting the unit perfectly to the specifications of the stored goods and the structural environment brings significant benefits in terms of efficiency, reliability and speed. The flexibility and performance of the solutions play a key role in optimizing processes.



# Kardex Remstar Intermat:

## The strong carousel for round/cylindrical loads in extreme room layouts



### Technical data

#### System height

up to 15,000 mm (590 in)

#### Carrier unit

Width 13,200 mm (519 in)

Depth 1,200 mm (47 in)

#### Max. load per carrier unit

max. 3,640 kg (8,000 lbs)

#### The Intermat vertical carousel

##### for round and cylindrical goods with special chain paths

Unused space and long distances interfere with operations and can be expensive. The flexible Intermat carousel from Kardex Remstar offers the ideal solution to this problem. Making optimal use of the space – for instance by installing a bridge carousel above the production area, above internal transit routes, or in awkward corners – has a direct impact on increasing efficiency. Round and heavy goods occupy minimal storage space and can be easily transported to the access opening in their carrier units thanks to the multi-loop design.



## Space-saving storage solution for tires

The chain and sprocket carousel has proven especially useful for the storage of tires. The Intermat carousel makes full use of the available room height and depth and is therefore good for highly dense storage. Tire and car manufacturers benefit from fast access to smaller car tires, large aircraft tires and heavy rims. This optimized material flow leads to a long-term increase in overall productivity.



## Safe cable reel intralogistics

Cable reels and other heavy round items must be stored safely, not take up too much space and be easily accessible. Intermat is a carousel designed for this purpose and can be installed in pits, outdoor areas or as a T-bridge carousel. The model is particularly user-friendly and safe. Goods are stored and retrieved easily using a loading trolley. In addition, sectional roll-up doors offer protection from unauthorized access or serve as safety gates.



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**Further information:**  
[www.kardexremstar.com](http://www.kardexremstar.com)