

# Carousel Storage Systems

Dynamic Storage Solutions



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We take

quality in circulation

*Inventory delivered directly to the operator*

*Easy storage and retrieval of stock*

*High availability*

*Compact storage*

*Quick retrieval*

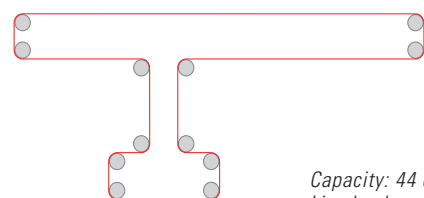
*Product protection*

*Improved inventory control*



#### Gantry crane / bridge crane

A gantry crane, bridge crane, or monorail can be installed directly onto the carousel so that the storage system is independent of the plant's material handling systems.

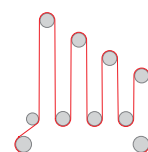


*Capacity: 44 carriers,  
Live load per carrier: 500 kg (1,100 lbs.),  
Dimensions of carriers: width 4.200 mm (13' 9"),  
depth 630 mm (24.8"), height 500 mm (20")  
Carousel dimensions:  
height 7.000 mm (23'), width 5.400 mm (17' 9"),  
depth 19.500 mm (64') (bridge) /  
depth 4.500 mm (14' 9") (floor)*

#### T-bridge carousel

At the plant of this supplier for automobile manufacturers, this carousel stores tubes or boxes.

The installation of the bridge elements maximizes the production space by utilizing the unused ceiling space for storage. For this system, the floor space required is only approx. 30% of that needed by a traditional carousel to store the same amount of product.



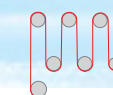
#### Vertical carousel with 4 loops

Carousel for the storage of steel profiles. In order to guarantee high throughput, the system is installed right next to the saw. The profiles are transported to the saw by means of a roller conveyor.

*Capacity: 42 carriers  
Live load per carrier:  
2.000 kg (4,400 lbs.)  
Carrier dimensions:  
width 6.500 mm (21' 4"),  
depth 420 mm (16.5"),  
height 420 mm (16.5")  
Carousel dimensions:  
height 4.700 mm (15' 5"),  
width 7.700 mm (25' 3"),  
depth 8.400 mm (27' 7")*



The carousel storage systems of INTERTEX are utilized wherever it is important to store and retrieve goods quickly - during the preparation phase, the production phase, or the distribution phase. Retrieval times are minimized because the reversible drives allow for the shortest path retrieval. Controls range from simple up / down pushbuttons to electronic pre-selection.



#### Vertical carousel with 3 loops

Carousel for the storage of aluminium profiles of a manufacturer of clean room-technology.

*Capacity: 52 carriers  
Live load per carrier:  
600 kg (1,320 lbs.)  
Carrier dimensions:  
width 6.300 mm (20' 8"),  
depth 500 mm (19.7"),  
height 350 mm (13.8")  
Carousel dimensions:  
height 7.100 mm (23' 4"),  
width 7.500 mm (24' 7"),  
depth 6.500 mm (21' 4")*





### Short goods / small parts

Carrier inserts (made of solid or perforated plate) for the storage of short goods and / or small parts.



### Depth division of carriers

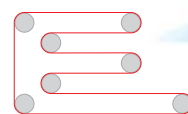
Divisible carriers allow you to store diverse materials in the same carrier, yet keep each material separate from the others. The removable and adjustable divider pins are mounted on slotted rails.



### 3 serpentine carousels with loading nose

These six level serpentine systems are installed directly beside the processing machines. They store approx. 260 tons of tool stock for automatic lathes. The system shown will hold two bundles of 3 meter (10') long material end to end. The carriers will hold the loose or boxed bundles. The loading nose makes loading or unloading via overhead crane possible. The pre-selector control insures shortest path retrieval.

Capacity: 72 carriers per system  
Live load per carrier: 1.200 kg (2,640 lbs.)  
Carrier dimensions: width 6.400 mm (21'), depth 300 mm (11.8'), height 280 mm (11")  
Carousel dimensions: height 4.100 mm (13' 6"), width 7.600 mm (24' 11"), depth 8.000 mm (26' 3")



### 6 single loop vertical carousels with loading nose

In the new production line of a renowned sun-blind and shutter manufacturer, these carousels have been integrated with the roller conveyors so that the profiles are transported directly to the saws where the production process begins.

Capacity: 18 carriers per system  
Live load per carrier: 300 kg (660 lbs.)  
Carrier dimensions: width 6.200 mm (20' 4"), depth 440 mm (17.3"), height 260 mm (10.2")  
Carousel dimensions: height 6.590 mm (21' 8"), width 7.200 mm (23' 8"), depth 2.400 mm (7' 11")



### 21 vertical carousels with guided carriers

These systems at Europe's largest manufacturer of clutches provide storage space for compression moulding dies with no consideration of weight distribution required. The units are placed at the respective press.

Capacity: 15 carriers  
Live load per carrier: 675 kg (1,485 lbs.)  
Carrier dimensions: width 4.400 mm (14' 5"), depth 400 mm (15.7"), height 150/250 mm (5.9"/9.8")  
Carousel dimensions: height 5.800 mm (19'), width 5.500 mm (18'), depth 1.400 mm (55")



### 8 vertical carousels with removable cassettes

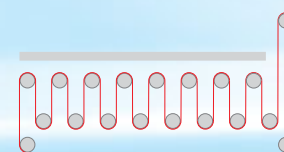
At Europe's largest producer of windows, several systems have been installed directly at the saws. The profiles are stored in removable cassettes, which are loaded completely into the carousel with a sideloader. The removal of the profiles and their transfer to the saw, via a roller conveyor, is performed manually at the rear.

Capacity: 9 removable cassettes per system  
Live load per cassette: 1.200 kg (2,640 lbs.)  
Cassette dimensions: width 6.200 mm (20' 4"), depth 800 mm (31.5"), height 500 mm (19.7")  
Carousel dimensions: height 6.600 mm (21' 8"), width 7.200 mm (23' 8"), depth 2.200 mm (7' 3")





**INTERTEX carousels are the right choice for the storage of your products, especially when the solution is challenging. Our machines are configured to fit your load in your facility. With our carousels you are guaranteed product protection and random storage with selective retrieval so that production always has what is needed, when it is needed.**



View of the first floor

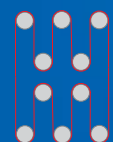
View of the basement floor



**2 vertical carousels each with 9 loops and loading nose**

Product line of a renowned foil producer. Here, two systems are installed on the basement floor. They convey the printing cylinders to the machines on the first floor.

Capacity: 105 carriers per system  
 Live load per carrier: 300 kg (660 lbs.)  
 Width of carrier: 2.000 mm (6' 7")  
 Carousel dimensions: height 2.900/4.600 mm (9' 6"/15' 1"), width 2.950 mm (9' 8"), depth 12.200 mm (40')



**9 vertical carousels with 3 loops each**

In these systems, placed directly at the printing machines, 522 engraved cylinders are stored. The loading and unloading is accomplished by means of a changing cart. Shortest path retrieval is assured by the path-optimized pre-selection control.

Capacity: 58 carriers per system  
 Live load per carrier: 650 kg (1,430 lbs.)  
 Width of carrier: 3.250 mm (10' 8")  
 Carousel dimensions: height 8.000 mm (26' 3"), width 4.300 mm (14' 1"), depth 4.400 mm (14' 5")

**Storage possibilities of cylinders in a carousel**

**Pedestal storage**

This type of storage allows the direct removal of the cylinders from the carousel by overhead handling.



**Trough storage**

The cylinders are stored on their circumference and can be taken out with a special attachment.



**Suspended system**

Cylinder storage / retrieval utilizing the press carts. The chains are covered to protect the cylinder journals.



**Center hung**

The cylinders are removed from the holders with a special cart.



**Vertical carousel with 3 loops and loading nose**

In this system, used by a foil producer, 100 cylinders are stored directly and 40 cylinders are stored on pedestals.

Capacity: 140 cylinders  
 Carousel dimensions: height 5.950 mm (19' 6"), width 2.800 mm (9' 2"), depth 2.800 mm (9' 2")



**Vertical carousel with 2 loops**

Carousel used in the foil production of one of the largest German automobile suppliers.

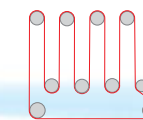
Capacity: 50 suspended cylinders  
 Live load per carrier: 800 kg (1,760 lbs.)  
 Carousel dimensions: height 8.200 mm (26' 11"), width 3.500 mm (11' 6"), depth 2.400 mm (7' 11")



**Vertical carousel with 4 loops and loading nose**

Three print cylinders are stored on each carrier. The cylinders are loaded directly onto the press carts via the overhead crane.

Capacity: 62 carriers  
 Live load per carrier: 1.050 kg (2,310 lbs.)  
 Carrier dimensions: 8.600 mm (28' 3") wide  
 Carousel dimensions: height 5.800 mm (19'), width 9.700 mm (31' 10"), depth 6.400 mm (21')

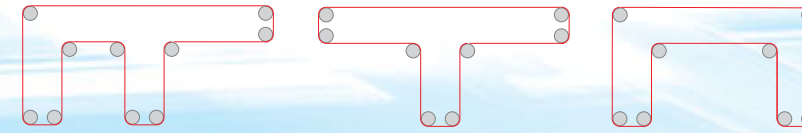




### 3 bridge carousels

At a reputable manufacturer of data cables (made of copper and fiberglass), valuable production space has been gained by this unique storage solution. The cable reels are loaded and unloaded with the help of cable-reel truck.

*Capacity: 53 carriers per system with 5 cable reels per carrier*  
*Live load per carrier: 800 kg (1,760 lbs.)*  
*Carrier width: 3.600 mm (11' 10")*  
*Carousel dimensions: height 5.900 mm (19' 4"), width 4.500 mm (14' 9"), depth approx. 25.000 mm (82')*



### Serpentine carousel

This carousel is used in the maintenance department of a large chemical company. The unique feature of this installation is that the space available consisted of a lot of depth, but not much ceiling height.

*Capacity: 17 carriers for cable reels up to 1.000 mm (43.3") diameter*  
*Total live load: 24.000 kg (52,800 lbs.)*  
*Carousel dimensions: height 2.700 mm (8' 10"), width 5.500 mm (18'), depth 12.000 mm (39' 4")*



### Carousel for cable reels

The special feature of this system is that cable reels with various diameters can be stored in the adjustable carrier. This carrier was designed specifically for DIY stores. The hinged measuring system facilitates the precise measuring, cutting, and re-rolling of desired lengths.

*Capacity: 12 carriers*  
*Live load per carrier: 300 kg (660 lbs.)*  
*Carrier width: 4.000 mm (13' 2")*  
*Carousel dimensions: height 5.800 mm (16' 5"), width 5.000 mm (16' 5"), depth 1.500 mm (59")*



### 4 vertical carousels

At the same data-cable manufacturer, the cable reels are stored automatically on one side, taken out (also automatically) on the other side and loaded onto an AGV by means of a rocker assembly.

*Capacity: 16 carriers per system with 8 cable reels each*  
*Live load per carrier: 650 kg (1,430 lbs.)*  
*Carrier width: 3.300 mm (10' 10")*  
*Carousel dimensions: height 5.900 mm (19' 4"), width 4.200 mm (13' 9"), depth 1.500 mm (59")*



### Vertical carousel with full enclosure

This carousel serves as the barrier between the production area and the clean room. The unloading of the reels is performed via an attached elevating platform. Both operating sides are equipped with an automatic sliding door.

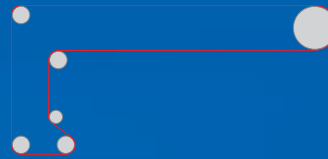
*Capacity: 12 carriers with 12 cable reels each*  
*Live load per carrier: 450 kg (990 lbs.)*  
*Carrier width: 6.600 mm (21' 8")*  
*Carousel dimensions: height 5.900 mm (19' 5"), width 7.600 mm (25'), depth 2.000 mm (79")*



The loading is accomplished via a cable-reel truck.



By means of a detachable lifting device and an oblique plane in front of it, the reel can be easily stored and retrieved from the floor level.



**2 bridge carousels with loading nose**

Our carousels enabled this manufacturer to turn storage space into production space. We also had to work around the limited floor loading capabilities of the wooden upper floor.

Capacity: 42 carriers per system  
 Total live load: 18.500 kg (40,700 lbs.) per system  
 Carrier dimensions: 5.000 mm (16' 5") wide  
 Carousel dimensions: height 4.200 mm (13' 9"), width 5.800 mm (19'), depth 15.500 mm (50'10")

Intertex Carousels are custom configured solutions to fit the customers unique requirements.

**Carrier for the storage of tires**

With this system, space utilization was improved considerably.

**Carrier for the storage of finished foil rolls**

The cradels are designed in such a way that the rolls can be taken out easily with a fork lift truck.

**Adjustable roll receiver**

Here, rolls with different widths can be stored on cones and unwound at the same time.

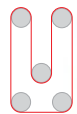
The loading and unloading process of the foil rolls is performed with special crane attachments.



**2 vertical carousels with 2 loops each**

In this consignment stock, the foil rolls are stored in special cradles. This way, they can be easily removed with a fork lift truck.

Capacity: 14 carriers for rolls 750 mm (30") diameter by 3.200 mm (10' 6") long  
 Live load per carrier: 1.150 kg (2,530 lbs.)  
 Carousel dimensions: height 5.000 mm (16' 5"), width 4.400 mm (14' 5"), depth 3.700 mm (12' 2")



**5 fully enclosed vertical carousels with loading nose**

The material required for the production of tires must be protected against dirt. For this reason, an automatic folding door was required which would allow the overhead crane removal of the rolls out of the fully enclosed carousel.

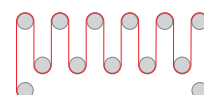
Capacity: 20 rolls  
 Roll weight: 700 kg (1,540 lbs.)  
 Width: 2.900 mm (9' 6")  
 Carousel dimensions: height 6.700 mm (22'), width 3.900 mm (12' 10"), depth 2.600 mm (8' 6")



**Vertical carousel with 6 loops**

The product stored on this machine is foil rolls. Our modular construction made it possible for this system to grow from the initial installation to its current capacity of 6 loops.

Capacity: 58 carriers with 3 rolls per carrier  
 Live load per carrier: 1.200/1.800 kg (2,640/3,960 lbs.)  
 Carrier width: 5.000 mm (16' 5")  
 Carousel dimensions: height 4.500 mm (14' 9"), width 6.200 mm (20' 4"), depth 9.600 mm (31' 6")



**Vertical carousel with 4 loops and bridge element**

The paper rolls (for medical applications) have a diameter of 1.000 mm (39.4") and are suspended individually. The clean room can be accessed via the bridge element.

Capacity: 42 carriers with 3 rolls per carrier  
 Live load per carrier: 1.500 kg (3300 lbs.)  
 Carousel dimensions: height 6.200 mm (20' 4"), width 4.900 mm (16"), depth 16.000 mm (52' 6")





Rolls of all types on mandrels



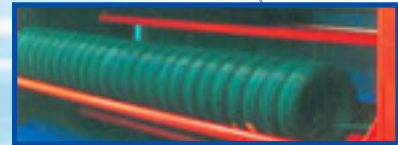
File drawer storage



Flat shelf storage for totes / boxes



Cable reel storage



Tire storage



Profile storage in removable cassettes



Fabric rolls in cradles



Printing and impression cylinder storage



Trough type carrier storage of reels



Long goods, profiles, or tube storage

(And storage of your products ?)

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