

Carousels

EUROMAT



EUROMAT carousels offer these industry leading features:

- Double chain system, on both sides!
- Carrier widths up to 6,000 mm (19'8")
- Carrier depths up to 1,000 mm (39")
- Carrier capacities up to 1,000 kg (2,200 lb)
- Load imbalance up to 5,000 kg (11,000 lb)
- Temperature and humidity control
- Clean room applications

INTERTEX
We take quality in circulation



Semi-open containers



Totes, boxes



Tools SK, HSK



Fixtures / Dies / Devices



Side tab folders



Electrical parts



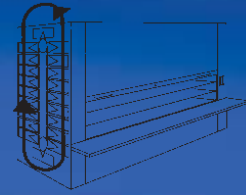
Documents



File, Binders / Manuals



Hanging folder filing



Basic principle

Whenever you require optimized storage and retrieval, the INTERTEX-EUROMAT produces the most space efficient, cost-effective and ergonomic solutions. Founded on the proven carousel principle and decades of experience, we have developed future standards – today. Each carousel storage system has state-of-the-art control technology and outstanding reliability. Each system is custom engineered to your needs and specifications. Since the parts come to the person, travel times are eliminated, retrieval times are minimized, and worker efficiency is maximized. With INTERTEX-EUROMAT you can take advantage of storage engineering standards of tomorrow – today.

**EDP connection**

Here the EUROMAT carousels are connected to the mainframe EDP system using standard interfaces (RS232 / RS485) for the INTERTEX microprocessor control system (INT-MP). There is no need for error prone dual inventory databases. The items required are selected by barcode scanner.

Case Study: Storage of small consumable and standard parts

At a famous manufacturer of military equipment, EUROMAT carousels were installed for the storage of parts in the production line.

Capacity: 26 carriers with intermediate shelves
Total Load: 9,900 kg (21,780 lb.)
Load Imbalance: 100% = 4,450 kg (10,890 lb.)

Carrier Size:
Height: 192 mm (7.6")
Depth: 700 mm (27.6")
Width: 2,450 mm (96.5")
Carousel Dimensions:
Height: 6,920 mm (22'8")
Depth: 1,850 mm (6'10")
Width: 3,300 mm (10'10")

A lift-and-lock roller rail provides containment safety and easy loading/unloading of heavy containers and tools.

**Case Study: Carousel used for storage and transport between floors (below)**

This two floor high EUROMAT carousel was installed at a manufacturer of fiber-glass reinforced concrete window ledges. The different styles of window ledges are placed in carriers on the ground floor and removed on the upper floor. The carrier can be inserted into or removed from the carousel via a roller conveyor. A custom engineered lifting station permits smooth part transfer.

Capacity: 20 carriers
Total Load: 16,000 kg (35,200 lb.)
Carrier Size:
Height: 630 mm (25") or 475 mm (19")
Depth: 860 mm (34")
Width: 4,070 mm (13'4")
Carousel Dimensions:
Height: 6,870 mm (22'6")
Depth: 2,400 mm (7'10")
Width: 4,920 mm (16'2")
2 operating stations (access openings)

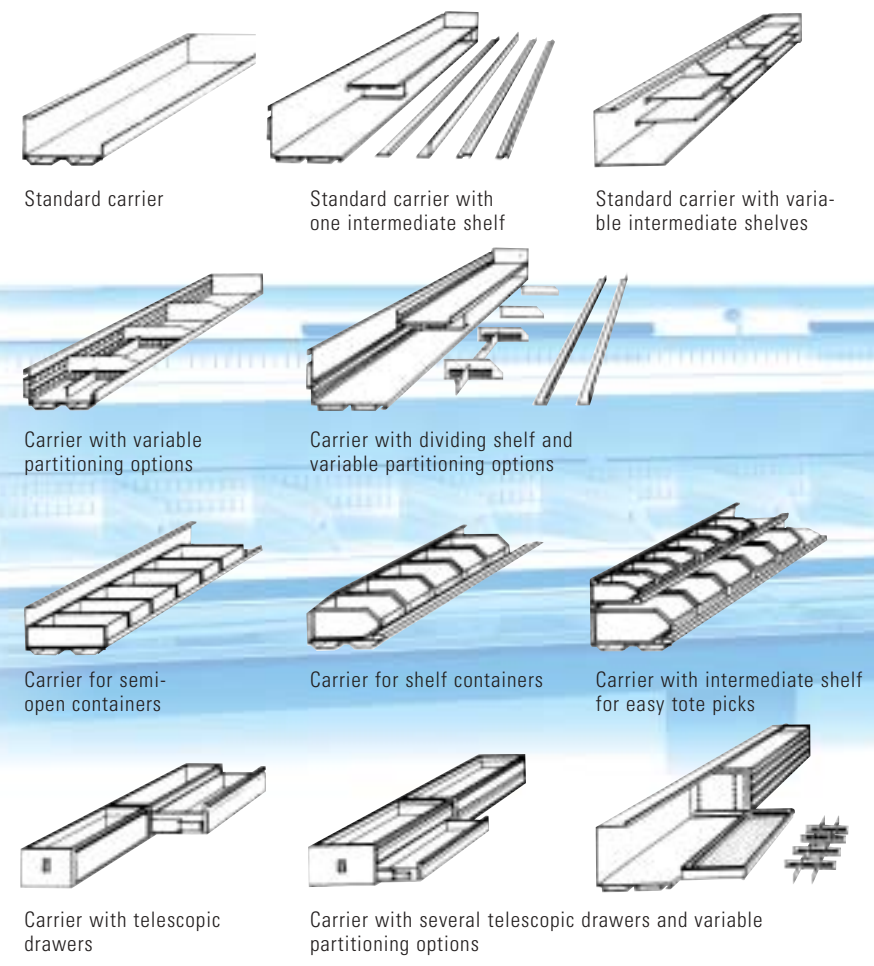
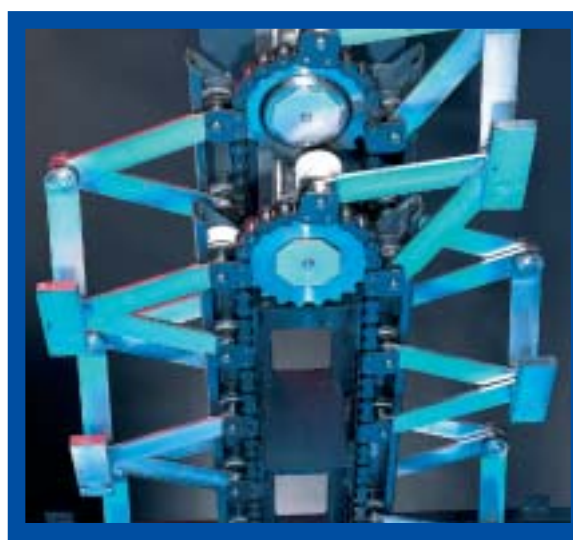
**Storage of devices / fixtures / dies (above)**

With a useful width of 5,150 mm (202.8") and a useful depth of 900 mm (35.4"), this system illustrates the extraordinary range of possibilities available exclusively with EUROMAT carousels.

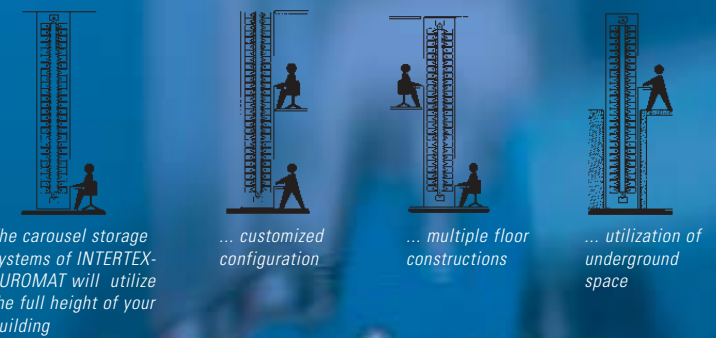
Capacity: 15 carriers
Max. load per carrier: 400 kg (880 lb.)
Total load: 6,000 kg (13,200 lb.)
Carrier Size:
Height: 490 mm (19.3")
Depth: 900 mm (35.4")
Width: 5,150 mm (16'11")
Carousel Dimensions:
Height: 5,480 mm (18')
Depth: 2,400 mm (7'10")
Width: 6,000 mm (19'8")

EUROMAT

Time-consuming searching for a part – a thing of the past with EUROMAT. The desired part is quickly retrieved - safely and reliably. This is made possible by the utilization of modern technology. The unique double-chain system with eightfold suspension gives EUROMAT carousels their unsurpassable smoothness --- with virtually no tilting or lateral deviation. With the dual motor drive system, most EUROMATS have a load imbalance capability of 100%. This enables you to load and unload as you like, without having to concern yourself with unbalanced loading of the carousel. Various carrier configurations and 100% extendable drawers are available. EUROMATS can be customized like no other carousel, they offer the BEST solution to your complex handling/storage application.



Product moved to the operator - in safety



A well-known car manufacturer uses seven EUROMAT carousels to store design documents.
Capacity: 26 carriers

Load imbalance: 80% = 4,500 kg / 5,625 kg (9,900 lb. / 12,375 lb.)
Carrier Size: Height: 330 mm (13") Depth: 650 mm (25.6") Width: 3,000 mm (9'10")
Carousel Dimensions: Height: 6,100 mm (20') Depth: 1,950 mm (6'5") Width: 3,850 mm (12'7")
Control: with warehouse management software
Miscellaneous: All carriers have pull-out drawers



Drawers

EUROMAT drawers have telescopic runners with 100% pull-out capability (100% part access). They are available in a variety of widths, depths and heights. Heights: 75 mm (3") / 100 mm (4") / 150 mm (6") / 200 mm (8") / 300 mm (12")
Drawers can be partitioned as required. Capacity up to 150 kg. (330 lb.)

Do you have any special requirements for your storage system? The unique design of the INTERTEX EUROMAT allows unparalleled customization:

- Temperature and humidity control
- Fire protection (F 30 - F 120)
- Explosion-proof design (class II)
- Clean room classification classes 5, 6, 7, 8 (acc. DIN EN ISO 14 644) classes 100, 1000, 10000, 100000 (acc. US-Fed. 209E)
- Qualification Validation
- Air injection / air suction Integrated Filter System

Your solution will be tailored to your exact requirements.



Fire protection

Storage of sleeves

Using special coverings, it was possible to achieve fire protection class F-120 with this EUROMAT carousel.

Capacity: 10 carriers
Total load: 2,500 kg (5,500 lb.)
Load imbalance: 100% = 1,250 kg (2,750 lb.)
Carrier Size:
Height: 350 mm (13.8")
Depth: 500 mm (19.7")
Width: 3,550 mm (11.8")
Carousel Dimensions:
Height: 4,200 mm (13'9")
Depth: 1,400 mm (4'7")
Width: 4,150 mm (13'7")

Clean room

Storage of films

In a total of six EUROMAT carousels, films are stored for the manufacture of multilayers. The carousels are certified to clean room class 1000. Air injection ensures there is a permanent overpressure. The carriers are sealed off from the mechanical system.

Capacity: 14 carriers / system
Total load: 2,800 kg (6,160 lb.)
Load imbalance: 100% = 1,400 kg (3,080 lb.)
Carousel Dimensions:
Height: 2,980 mm (9'9")
Depth: 1,600 mm (5'3")
Width: 2,800 mm (9'2")



Cooling

Storage of prepregs for circuit board manufacture

A well-known computer manufacturer stores prepregs in four EUROMAT carousels under precisely defined storage conditions of 17°C (62.6 F) and 40% relative humidity.

Capacity: 22 carriers / system
Total load: 9,600 kg (21,120 lb.)
Load imbalance: 100% = 4,800 kg (10,560 lb.)
Carrier Size:
Height: 200 mm (8")
Depth: 650 mm (25.6")
Width: 3,300 mm (10'10")
Carousel Dimensions:
Height: 3,700 mm (12'2")
Depth: 1,700 mm (5'7")
Width: 4,150 mm (13'7")



Heating

Quality assurance at a brewery

The smooth running double chain system utilized by INTERTEX-EUROMAT makes it possible for the bottles of beer to be stored in an upright position in the carousel. An adjustable electric heating system duplicates adverse temperature conditions so that quality control testing can be accomplished.

The carousel also has background lighting so that results can be monitored.

Capacity: 13 carriers / system
Total Load: 1,300 kg (2,860 lb.)
Load imbalance: 100% = 650kg (1,430 lb.)
Carousel Dimensions:
Height: 2,980 mm (117")
Depth: 1,000 mm (39.4")
Width: 3,425 mm (134.8")

Explosion-proof design / suction

Manufacture and storage of NBC protective clothing

A manufacturer of protective clothing uses two EUROMAT carousels, each with two control positions front and back (dual access).
Removable drawers
Drive and control in accordance with explosion protection class II
Extraction of solvent vapours via control positions

Capacity: 15 carriers / system
Total load: 1,600 kg (3,520 lb.)
Load imbalance: 100% = 800 kg (1,760 lb.)
Carousel Dimensions:
Height: 5,950 mm (19'6")
Depth: 2,050 mm (6'9")
Width: 3,210 mm (10'6")

Nitrogen Purge System

Storage of Silicone Wafers

To protect the surfaces of Silicone Wafers, nitrogen is fed into the carousel. All static joints were sealed.

Capacity: 9 carriers
Total load: 2,700 kg (6,940 lb.)
Load imbalance: 100% = 1,350 kg (2,970 lb.)
Carrier Size:
Height: 510 mm (20")
Depth: 600 mm (23.6")
Width: 4,500 mm (14'9")
Carousel Dimensions:
Height: 2,800 mm (9'2")
Depth: 1,650 mm (5'5")
Width: 5,150 mm (16'11")