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> Vertical carousels for the storage of long goods, bar / tube stock, tires, cable reels, rolls, carpets and much, much more.



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Carousels – Optimal efficiency and safety

- Carousel storage systems from INTERTEX are in use wherever inventory must be quickly stored and retrieved with 100% selectivity. This means they are ideally suited for all phases of the product development cycle- from raw material storage, to value added Work In Process inventory storage and ultimately to Finished Goods inventory for sorting / kitting / pre-shipment staging. Efficiency gains are prevalent in every stage as operators simply press a button for Part-to-Person, shortest path delivery and ergonomic golden zone picking. InterMat carousels are not a one or two option choice in motors / chain strength / carrier size or capacity. Limitless combinations and design engineering allow customized configurations optimized for your application.

InterMat vertical carousels

InterMat Vertical Carousels are designed for special applications. Unusually heavy, long, or applications requiring unique chain paths (freeing up the maximum floor space possible) are very common. For instance, bridge units will raise the entire framing system with integral chain path and product loads up off the floor for extended distances. The goal is to free up the maximum value added production space for your company. This assures the fastest payback and often results in additional carousels being placed in the same facility.

EuroMat vertical carousels

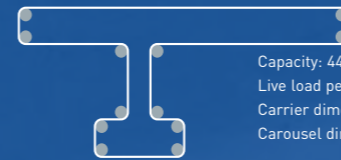
EuroMat Vertical Carousels share some features of conventional "lever" arm carrier suspension system type small parts / totes carousels – but quickly set themselves apart with unmatched payload, out of balance capability and unique oversize carrier configuration. When the industry standard carousels falter, the EuroMat excels.

TeboMat roll carousels

TeboMat Rolled Goods Carousels enjoy over 15,000 machines installed worldwide – these are the typical carpet / vinyl seen in DIY home centers. Many of the basic tenants that proved INTERTEX TeboMat units the most durable and highest quality machine in the marketplace were shared with the InterMat and EuroMat. Integration into cutting machines / tables (CutoMat) was a logical extension for INTERTEX and assured a once stop source for the ultimate in speed and efficiency.



Capacity: 42 carriers
 Live load per carrier: 2,000 kg (4,409 lb)
 Carrier dimensions: L 6.50 m (21 ft 4 in), H 0.42 m (16.5 in), D 0.42 m (16.5 in)
 Carousel dimensions: L 7.70 m (25 ft 4 in), H 4.70 m (15 ft 5 in), D 8.40 m (27 ft 7 in)



Capacity: 44 carriers
 Live load per carrier: 500 kg (1,102 lb)
 Carrier dimensions: L 4.20 m (13 ft 10 in), H 0.50 m (19.7 in), D 0.63 m (24.8 in)
 Carousel dimensions: L 5.40 m (17 ft 8 in), H 7.00 m (23 ft), D 19.50 m (64 ft) (bridge) / D 4.50 m (14 ft 10 in) (floor)

A perfect fit: Solutions customized to your needs

➤ In addition to bridge units (where the chain path and carriers leave the floor and traverse horizontally to capture unused space above), multiple loop systems are common and share the Part-to-Person benefit. In all cases, the design starts with the carrier, then the ideal chain path is configured. 100 % selectivity with part picking / re-stock at the safe, ergonomic golden zone.

Slewing crane / gantry crane

Called many things across the globe, a Slewing / Gantry / or Jib crane is never far from the loading nose of an InterMat. INTERTEX has supplied many integral cranes to simplify the process. Converting to automated storage and retrieval of your long goods offers tremendous benefits and INTERTEX makes it simple. Placing the machine under hook of a customer's existing overhead crane is common.

Carrier depth division

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

Short goods / small parts

Anticipating some short goods / smaller cut-offs or parts? Carrier inserts of solid steel or perforated sheet are common in production environments.

Slewing crane / gantry crane



Carrier depth division



Short goods / small parts





Capacity: 34 carriers
 Total live load: 17,000 kg (37,479 lb)
 Carousel dimensions: L 14.48 m (47 ft 6 in), H 6.50 m (21 ft 4 in), D 6.70 m (22 ft)
 Carrier dimensions: L 13.20 m (43 ft 4 in), H 0.40 m (15.8 in), D 0.50 m (19.7 in)
 Machine type: IM-VO-3.2
 Controller: INT-MP pre-selector control



Capacity: 20 carriers
 Total live load: 40,000 kg (88,185 lb)
 Carousel dimensions: L 13.50 m (44 ft 4 in), H 6.50 m (21 ft 4 in), D 16.50 m (54 ft 1 in)
 Carrier dimensions: L 12.20 m (40ft), H 0.70 m (27.6 in), D 1.30 m (51.2 in)
 Machine type: IM-VN1.1
 Controller: INT-MP 2 pre-selector control

Customized carriers, chain paths, loading options are normal

- Stored goods are often extremely long and very heavy – and not all systems can come to terms with this. Not so our vertical carousels. Depending on the requirements and capacity, they are perfect for pit and cellar installation or for horizontal and vertical use of the room – perfect flexibility.

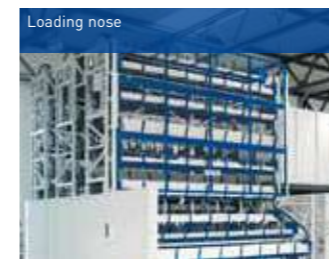


Loading nose

The carrier is freely accessible from above, so that it can be loaded and unloaded by overhead crane.

Removable cassette

Existing removable cassettes can be stored complete in the vertical carousel by fork-lift truck or overhead crane. The goods can be retrieved either individually or in the complete removable cassette.

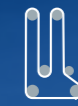




Capacity: 78 carriers
 Total live load: 50,700 kg (111,774 lb)
 Carousel dimensions: L 4.50 m (14 ft 10 in), H 8.00 m (26 ft 4 in), D 5.60 m (18 ft 5 in)
 Carrier dimensions: L 3.25 m (128 in)
 Machine type: IM-VO4.1
 Controller: INT-MP 1 pre-selector control



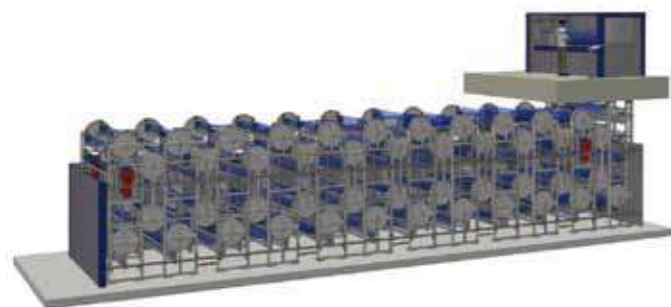
Capacity: 78 carriers
 Total live load: 57,600 kg (126,986 lb)
 Carousel dimensions: L 4.50 m (14 ft 10 in), H 8.00 m (26 ft 4 in), D 5.60 m (18 ft 5 in)
 Carrier dimensions: L 3.50 m (11 ft 6 in)
 Machine type: IM-VB04.1
 Controller: INT-MP 1 pre-selector control



Capacity: 10 carriers
 Total live load: 6,000 kg 13,228 lb
 Carousel dimensions: L 5.70 m (18 ft 8 in), H 5.70 m (18 ft 8 in), D 4.20 m (13 ft 10 in)
 Carrier dimensions: L 4.5 m (14 ft 10 in)
 Machine type: IM-V01.1
 Controller: Siemens S7 pre-selector control

Your demands – our inspiration

➤ Flexibility – universally promised, but uniquely proven by INTERTEX – every day. Using every cubic foot of space available, then finding more via a pit or cellar – INTERTEX creatively finds the space you need, but retains the selectivity you demand. Our InterMat Vertical Carousels store tens of millions of Dollars / Euros of print cylinders and present safe, efficient delivery to operators every day – around the world.



Loading carts

The cylinders are loaded and unloaded using a flexible loading cart.

Crane Loading

A loading nose gives clear vertical access of the carrier beam. An overhead crane can then be used to load / unload cylinders. INTERTEX can supply a crane if needed.



Loading carts



Crane loading





Capacity: 51 carriers
 Total live load: 38,250 kg (84,326 lb)
 Carousel dimensions: L 4.66 m (15 ft 4 in), H 6.00 m (19 ft 8 in), D 25.35 m (83 ft 2 in)
 Diameter: 0.80 m (31.5 in)
 Machine type: IM-B01.2
 Controller: Siemens S7 pre-selector control



Capacity: 28 carriers
 Total live load: 45,500 kg (100,310 lb)
 Carousel dimensions: L 5.60 m (18 ft 5 in), H 12.15 m (39 ft 11 in), D 5.65 m (18 ft 8 in)
 Carrier dimensions: L 4.25 m (13 ft 11 in), H 1.00 m (39.4 in), D 1.00 m (39.4 in)
 Machine type: IM-VO2.1
 Controller: INT-DSC 1 pre-selector control



Finally, handling and storing cable reels in an easy, safe, productive manner

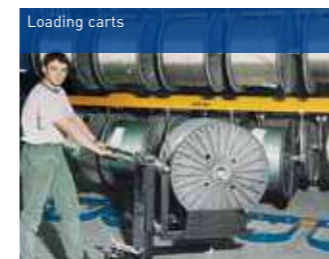
- Round cable reels on square pallets and conventional racks is a recipe for trouble. Like all InterMats, unique chain paths, placing the machine in a pit, or supplying multiple loops achieve unmatched capacity, safety, and picking efficiency.

Loading carts

The cable reels can be loaded and unloaded using loading carts.

Automatic handling

Automated and unmanned loading and unloading of the storage system is possible.





Capacity: 38 carriers
 Total live load: 18,240 kg (40,212 lb)
 Carousel dimensions: L 6.20 m (20 ft 4 in), H 4.17 m (13 ft 8 in), D 15.00 m (49 ft 2 in)
 Carrier dimensions: L 5.00 m (16 ft 5 in)
 Machine type: IM-VBN1.1
 Controller: INT-MP 1 pre-selector control



Capacity: 24 carriers
 Total live load: 8,400 kg (18,518 lb)
 Carousel dimensions: L 3.50 m (11 ft 10 in), H 9.10 m (29 ft 11 in), D 1.80 m (70.9 in)
 Carrier dimensions: L 2.80 m (9 ft 2 in)
 Machine type: IM-V02.1
 Controller: Up & down dead man circuit

Air space becomes storage space

- Small square footage – large benefits. Efficient use of the otherwise unused air space above the production line free up value added production floor space – new products, new machines, new profit potential easily realized by using an InterMat.

Laminate storage on custom cradles

Many products have specific support needs to avoid deformation or scarring, let our engineers know your requirements.

Proper Materials Handling of large rolls

Speciality paper for the medical industry, 1 meter (39.4") in diameter, can be stored and pulled by a single operator in seconds.

Roll hangers can be configured for width variances

Allowance for changing future products and custom centering cones with roller bearings permits precision, hi-speed direct off-feeding from the machine.

Film storage on half-shells



Handling



Adjustable roll holders





Capacity: 39 carriers
 Total live load: 19,500 kg (42,990 lb)
 Carousel dimensions: L 4.40 m (14 ft 5 in), H 6.25 m (20 ft 6 in), D 7.50 m (24 ft 7 in)
 Carrier dimensions: L 3.75 m (12 ft 4 in), 0.80 m (31.5 in) dia.
 Machine type: IM-VH0-4.1
 Controller: INT-DSC 1 pre-selector control



Capacity: 9 carriers
 Total live load: 9,000 kg (19,841 lb)
 Carrier dimensions: L 3.80 m (12 ft 6 in), 0.90 m (35.4 in) dia., 1.35 m (53.2 in) dia.
 Machine type: IM-VO-1.4
 Controller: INT-DSC 1 pre-selector control

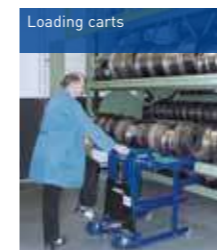
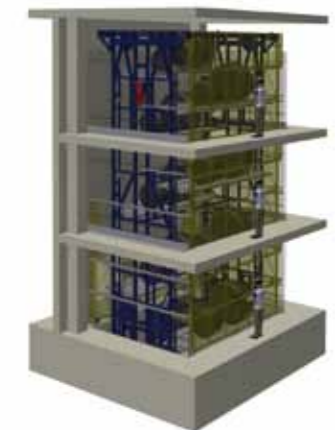
Rapid access to specific tires or rims

- Unparalleled cube use, speed and efficiency are the immediate gains secured with a InterMat for tires. Tires, rims, or tires mounted on rims have been pulled and stock with ergonomic ease for most major manufacturers. INTERTEX's industry leading engineers uniquely handled requests from air craft and large bus tire companies – larger diameters and weights pose no problems for the INTERTEX InterMat.



Safe Loading / Unloading

Ramps, recessed machine pits, and simple load / unload carts perfect the loading and unloading of bulky, heavy tires.



Loading carts



Capacity: 11 carriers
 Total live load: 25,663 kg (56,577 lb)
 Carousel dimensions: L 12.00 m (39 ft 5 in), H 10.35 m (34 ft), D 7.88 m (25 ft 11 in)
 Carrier dimensions: L 10.98 m (36 ft), H 1.30 m (51.2 in), D 1.30 m (51.2 in)
 Machine type: IM-VN1.1
 Controller: Siemens S7 pre-selector control

INTERTEX welcomes the challenge

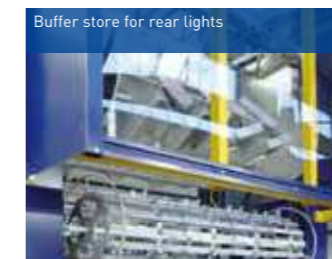
➤ Yes we can. Precision handling needed for your special product – call the experts, The INTERTEX Group. You may be surprised to discover we've already come up with a nearly identical solution, or we'll pioneer the solution that makes perfect sense for your needs. In the case, the entire InterMat becomes an integral part of the Test, Check, and Calibration process.

Vertical carousels for extrusion dies

Extrusion dies are stored (yes, metal) – simple materials handling at the ergonomic golden zone with a loading nose (use of an overhead crane vs. waiting for a forklift to pull pallets of dies / fixtures off static racks).

Buffer store for rear lights

An excellent use of an InterMat as part of Buffer Storage in the production process – here product is safely cured prior to being handled for the next production step.





Capacity: 13 carriers
 Total live load: 2,496 kg (5,502 lb)
 Carousel dimensions: L 2.28 m (89.8 in), H 2.90 m (9 ft 6 in), D 1.75 m (68.9 in)
 Carrier dimensions: L 1.53 m (53.2 in), H 0.05 m (2 in), D 0.67 m (26.4 in)
 Machine type: EM-70-250-304-13-650
 Controller: Pre-selector control



Capacity: 22 carriers
 Total live load: 10,340 kg (22,795 lb)
 Carousel dimensions: L 4.25 m (13 ft 11 in), H 3.74 m (12 ft 4 in), D 1.85 m (72.8 in)
 Carrier dimensions: L 3.40 m (11 ft 2 in), H 0.30 m (11.8 in), D 0.65 m (25.6 in)
 Machine type: EM-120-500-254-22-650
 Controller: Pre-selector control

Part to person in a clean room application

➤ Time-consuming searches are a thing of the past with EuroMat. The required goods are delivered directly to where they are needed. Safely and reliably, thanks to the logical use of the latest technology. The unique double-chain system with eightfold suspension gives EuroMat vertical carousels their unrivalled smoothness with virtually no tilting or lateral deviation. With the dual motor drive system, the vertical carousels can be designed for a maximum load imbalance capability of 100%. This enables you to store and retrieve as you like, without having to concern yourself with unbalanced loading of the chain strands. Various carrier configurations and 100% extendable drawers are available in numerous variants. The right solution for every application.

Ex-proof version / exhausting, storage of ABC protection suits

Explosion proof versions, exhausting with storage of ABC protection suits. EuroMat's unique suspension system allows more customized applications.

Fireproof storage of sleeves

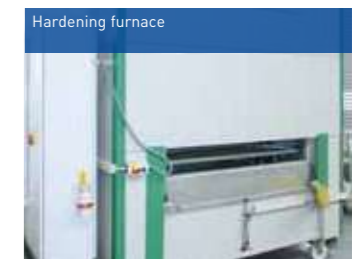
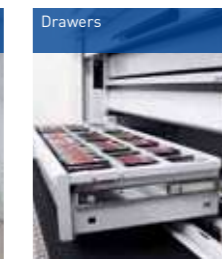
Using special coverings, it was possible to achieve fire protection class F-120 for this EuroMat carousel

Drawers

Drawers with telescopic runners and 100% pull-out capability. Available in a variety of widths, depths, heights and working weights.

Hardening furnace

Thanks to the special finish, the goods can be heated to 240°C.





Capacity: 20 carriers
 Total live load: 2,600 kg [5,732 lb]
 Carousel dimensions: L 2.75 m [9 ft], H 5.60 m [18 ft 5 in], D 2.60 m [8 ft 6 in]
 Carrier dimensions: L 2.10 m [82.7 in], H 0.36 m [14.2 in], D 1.08 m [42.5 in]
 Machine type: EM-75-500-406-20-1080
 Controller: ERP interface



Capacity: 28 carriers
 Total live load: 1,400 kg [3,086 lb]
 Carousel dimensions: L 1.70 m [66.9 in], H 3.27 m [10 ft 8 in], D 1.80 m [70.9 in]
 Carrier dimensions: L 1.20 m [47.2 in], H 0.20 m [7.9 in], D 0.20 m [7.9 in]
 Machine type: EM-35-100-247-28-200



Unmanned: State-of-the-art robotic integration

- When enormous volumes of picks / puts are needed, human error can be minimized and often eliminated through use of robots. Combining the precision and customization of the EuroMat with today's robotic manipulators brings tremendous throughput and accuracy gains. Numerous control / software options exist, including being networked with your WMS.

Controller: ERP interface

This customer had a confined space available and INTERTEX met the challenge. Only 1 meter wide by 9 meters tall (39 in. by 29.5 feet), this system also was networked with their ERP system.

Combination of manual and automatic

Machines can be fully automated for loading / unloading – or switched back for manual loading / unloading.

Automatic loading

With the right control and a network interface, fully unmanned automation is possible. Again showing off customization unavailable anywhere else, these carriers are 1400 mm deep! (approx. 55 inches!)

Controller: ERP interface



Combination of manual and automatic



Automatic loading





Capacity: 30 carrying rods
 Total live load: 20,000 kg (44,092 lb)
 Carousel dimensions: L 5.80 m (19 ft), H 5.00 m (16 ft 5 in), D 2.00 m (78.7 in)
 Carrying rod dimensions: L 5.00 m (16 ft 5 in)
 Machine type: TeboMat
 Controller: Dead man

Practical presentation

➤ You will almost certainly have seen our TeboMat Vertical Carousels in a DIY or furniture store near you, as most of the branches worldwide rely on our solution. The TeboMat is unrivalled when it comes to storing carpet, PVC, pool liner and fabric rolls as well as other materials off-the-roll. The advantage: Maximum use is made of the room height with a minimum footprint, and the system offers the highest ease of operation. When the customer has been presented with the desired production, it can be simply unrolled, measured, cut to length and packed. Our TeboMat Vertical Carousels offer maximum flexibility, as they are based on the modular principle. You choose the width, we adapt the height to the height of the room accordingly. There are generally no limits to your wishes, but without forgetting the strict safety regulations – they are naturally observed worldwide.

Loading cart

The rolls can be safely and conveniently stored using the loading cart.

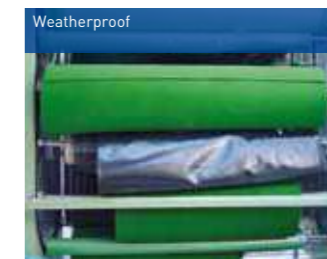
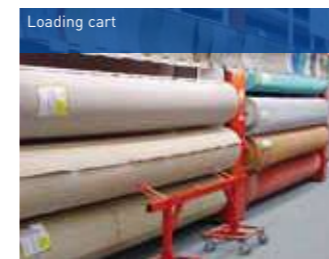
CutoMat cutting machine

Unrolling, measuring and cutting – all the components for order picking are perfectly integrated here.

The machine can be free-moving, rail-mounted or additionally supplied with a power conductor rail. The width can be adapted completely to your requirements.

Weatherproof

Galvanized vertical carousels are well suited to outdoor environments, in the Garden Center for example.





The INTERTEX controls and software solutions

- The perfect controls for your inventory management. High-tech microprocessors in our INT-TC7.1 and INT-EC1 controls and our sophisticated inventory management software, INTERTEX Warehouse Management, in conjunction with the INTERTEX storage systems ensure even more speed and safety.

Controls

Together with our two control systems, INT-TC7.1 and INT-EC1, the vertical carousels are a match for any demand. Whether one operating point or eight – you are always well served with the modern machine controls from INTERTEX. State-of-the-art graphics displays make control of the machine child's play – the large icons and hotkeys simplify machine interaction enormously. Operating is incredibly simple: The carrier is selected via a numerical keypad or individual articles via the integrated article management system with touch screen operation of the INT-TC7.1. Efficient telephone support and quick fault diagnosis on site thanks to extensive monitor functions. Reading out of any error messages in plain text is possible. The controls can also be provided with password protection to prevent unauthorised access. It is also possible to choose between different languages. As an option we equip the machines with a carrier width and depth display – this guarantees quick and accurate picking / re-stocking.

PC software

Whether an independent article management system or an interface to an ERP system – INTERTEX offers you seamless and perfect software solutions for this. In combination with the INT-TC7.1 machine control you use the INTERTEX Warehouse Management PC software for convenient and user-friendly stand-alone article management. A serial interface between the control and the PC allows efficient communication between the vertical carousel and the INT-WM PC software used. In addition to the serial transmission, the INT-TC7.1 also offers a TCP-based interface. If an ERP system with integrated warehouse management is already in place, we can interface the warehouse management system to the superordinate host system using our INTERTEX Query Server. Challenge us with special solutions or special adaptation – we supply superior solutions.

INTERTEX service

- We understand. Time is money. A photo eye can be hit, a sensor can fail, getting you back up and running as fast as possible is our mandate. – We're proud to supply long term satisfaction by giving excellent service after the sale. We pledge to be easy to contact, provide prompt answers by qualified technicians, and not stop until your machine is back to 100%.

No ifs and buts

Our specialists in the service centre provide quick, professional and unbureaucratic help. You can therefore rely on efficient, technically and organisationally sound service support over the whole service life of a machine or system. Ask us for the service package that perfectly meets your needs.

