

Storage machines



About us

The Dexion company (from the Ancient Greek meaning 'Right') was originally founded by Demetrius Comino. Comino developed the 'Dexion Slotted-Angle' (1947), which introduced the world to adjustable storage and would go on to blaze the trail for Dexion's purpose-built pallet racking and shelving systems.

Today we are the world's leading provider of warehouse logistics solutions. Since January 2018, Dexion has been a member of the Gonvarri Material Handling Group, which also includes the leading industrial brands Constructor, Kasten, Stålteknik and Kredit.

With a total of 7 production sites in Germany, Romania, Russia, Finland, Sweden and Czech Republic, we supply our customers worldwide with tailor-made logistics solutions. From static racking to fully automated storage solutions, we provide our customers worldwide with complete solutions for their warehouse.

We employ 1,300 people in Europe. We are also represented in Europe and in large parts of the world such as Africa, the Middle East, the USA and South America with an extensive distribution network. No matter where you are, as a global player we are always close at hand.



Inhouse testing lab



7 manufacturing facilities



Ethical commitment



400 customer facing staff

Introduction to storage machines

If you're a warehouse or storage operative, you'll know the importance of making every square meter count.

Our automatic storage systems can save you up to 70% on existing floor space, reduce picking errors by up to 70% and decrease picking time by more than 60%.

Computer-controlled, the vertical or horizontal storage machines easily integrate with your existing warehouse management system, but also operate effectively as a standalone solution.

Can you afford not to improve the efficiency of your storage and picking process with an automated solution built around you?



Tornado - automated vertical storage machine

Core features

- Up to 70% saving in floor space capacity
- Up to 65% boost in handling efficiency
- Fast and accurate picking with up to 99.9% stock-picking accuracy
- Low power consumption & maintenance costs
- Dedicated, easy-to-use Windows-based interface
- Equipped with adaptable trays for additional efficiency
- Light pointer to reduce errors
- Additional openings on different floor levels
- Easy and paperless order handling to optimise warehouse logistics



The TORNADO Automated Vertical Storage Machine is a dynamic storage and retrieval system that boosts handling efficiency by up to 65%, and increases floor space capacity by up to 70%.

An ultra-fast, virtually noiseless, computer-controlled storage and transfer lift system, the TORNADO is designed to maximise storage on the smallest possible footprint. Using the goods-to-person principle it cuts operator walking and waiting times, reduces search time and picking errors making it highly- efficient and energy-saving.

Various ways to position your TORNADO



Through an existing roof or through the ceiling



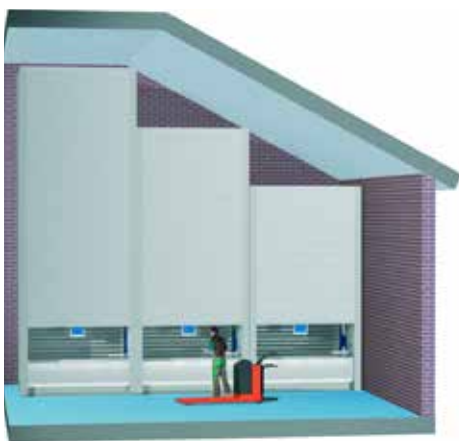
Integration into multi-storey buildings



Installation in the basement



Outside the building with connection to the inside



Installation under sloping roof or shed roof constructions



Installation under ventilation plant

GMH Tower storage machines

Core features

- Designed and adapted for heavy goods, especially those made of metal
- Quick and full access to stored goods
- High storage capacity on small footprint
- Ergonomic handling with manual crane or automatic in-out feeder
- Storage system can be configured with one, two or multi towers
- Possibility for more operator areas, e.g. front, back and/or the side.
- User friendly control system which is prepared for external communication and integration with WMS-system



GMH Tower Storage Machines are designed for storing and handling of various types of heavy goods, especially material made of metal.

Tower Storage Machines are often used in the production for intermediate storage of material, near the cutting or bending machines, or as an inter-operative warehouse. The material stored is typically sheet metal or profile rods and tubes.

Batch picking

Core features

- One user can operate several machines at once
- Several orders are collected at a time
- Individual products are picked for several orders at once
- Paperless picking possibility
- Picking costs are reduced by up to 50%
- Picking errors are reduced up to 70%
- Ergonomic and efficient



Increase picking efficiency with Batch picking, it is the most efficient way to pick as many pick lines as possible per day while minimizing errors. The system brings the tray to the operator and provides information on the product and its location.

With our storage machine you can optimise efficiency picking, enabling the operator to combine numerous orders whilst guiding them through the process of allocating the correct item to the relevant order.

Core features

- Clear graphics that show all operations
- Goods reporting
- Repetition diagrams for different warehouse areas and shelves
- Transaction history (who, what, when)
- Monitoring of storage location types
- Possibility of printing various labels during picking and put away
- FIFO, Floating storage locations, Fixed storage locations with or without quantity management
- Control data of a warehouse directly from the host system
- Support for controlling separate production batches of a single item per storage location concerned
- Several different language options
- Miscellaneous control of user accounts and their user rights
- Item weight control



Warehouse management and accurate stock balance control has become more important in storage and logistics. In automated storage, the use of stock control systems and their ability to fit into the company's other operations and to a host system has taken a bigger role.

TCPlus is a Windows based WMS system that has been developed for use with storage machines but can be used as a standalone system or connected easily to existing ERP-system. It's a complete WMS system that can be used when there are both machines and static racking in the warehouse. The picking will be done with handheld PDA's.

Accessories and add-ons

We offer you an automated system and a selection of accessories and add-ons to create your own tailor-made storage machine to meet your individual requirements. With the ability to seamlessly link these machines to your ERP or WMS using our TCPlus software managing your picking has never been easier.

Increase your processes and productivity with accessories and add-ons for Storage Machines.

We offer storage machines with a wide range of accessories and add-ons to create your own tailor-made machine to meet your individual requirements.



PC equipment

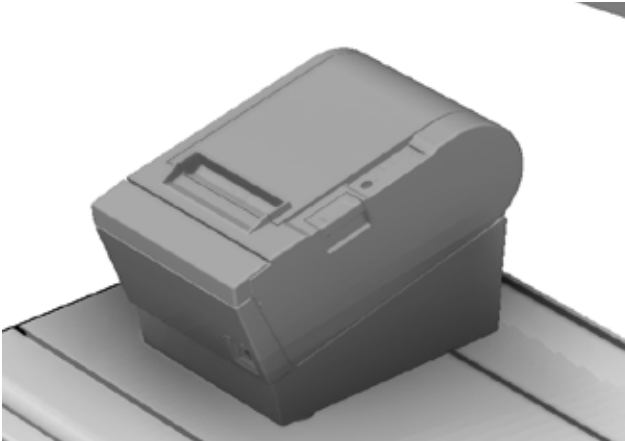
Holder for screen, keyboard and printer.



Barcode reader

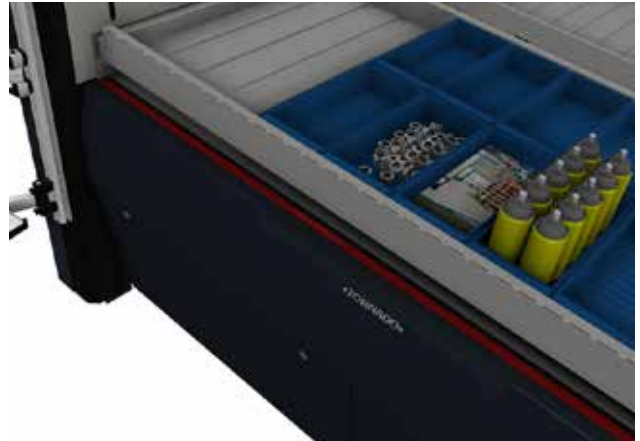
Wireless barcode reader for faster picking.

Accessories and add-ons



Label printer

For easy and fast label printing.



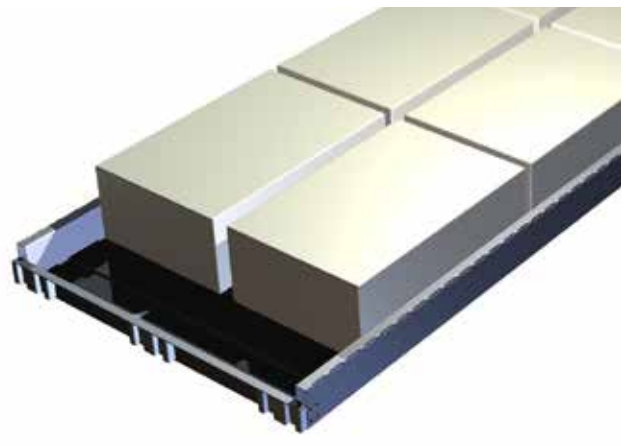
Light position indicator

Shows the operator the location of the next picking, improves picking speed and reduces errors.



Door

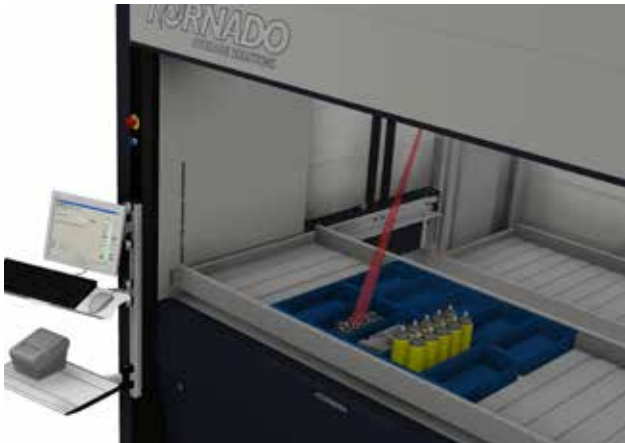
With an electrical door the machine is easily closed to prevent unauthorized use.



Boxes

The trays can be equipped with plastic or carton boxes to create smaller compartments.

Accessories and add-ons



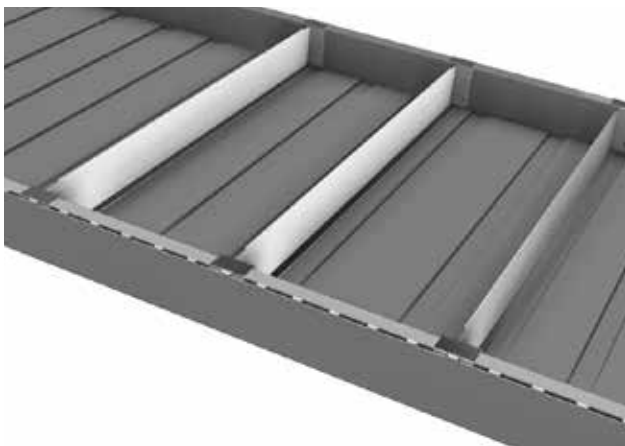
Light pointer

Light beam that indicates from which box to pick.
Improves picking speed and reduces errors.



In-out feeder

Automatically brings the tray outside the machine for easier access to big/heavy goods.



Tray divider

Dividers are useful when there's a need to separate items on a Tornado tray.



Weight control

The scale shows the tray load on the Tornado screen.

Service and maintenance

Guaranteeing ongoing safe operations means accepting your legal responsibility to ensure your storage products are regularly inspected and maintained. Our experienced teams are here to help.

Our expert teams of skilled service & maintenance inspectors can be by your side; carrying out any remedial work required and providing ongoing servicing and support of all our products within your facility.

You want to make sure your business is always operating at its safest and most efficient. We provide this assurance by:

- Offering a maintenance or service contract to your specific requirements
- Carrying out maintenance in line with your service plan
- Using certified service technicians
- Conducting systematic follow-ups of inspections and repairs
- Upgrading existing facilities with repairs or new technology
- Monitoring and following-up existing legislation, regulations & norms
- Training your staff in the use of our equipment



Consulting services

When finding the right storage solution, it's always reassuring to have an expert by your side. Our experienced and knowledgeable sales and design team give you a world-class blend of valuable insight, guidance and practical assistance.

Looking for a much more in-depth review of your warehouse or storage facility? Dexion provides analysis, advice and ongoing support to give you just that.

Analysis & Advice

We don't just offer general advice and guidance about your storage requirements; we go further to provide you with practical assistance and advice with a more detailed analysis of your storage requirements.

Our own in-house Analysis & Simulation Tools will translate your storage needs into a specification report, evaluating all areas of your warehouse, including:

- The layout & storage equipment you require
- Your material storage locations
- The optimal material handling processes & picking speeds
- Inventory levels to achieve your required service levels
- Purchasing & replenishment strategies







Your Dexion Distributor is: