Lift Machines - TORNADO

Visit www.constructor-storage.com/Products/Storage-Machines-and-WMS/Lift-Systems-TORNADO/ for the latest information.

Automatic Storage Machines are computer-controlled storage and transfer systems that significantly improve the efficiency of product storage and picking.

These machines are easy to integrate with a Company's Warehouse Management System (WMS) but they can also be used as a standalone system. The site and operating environment determines the system's size and composition.

An automatic storage system can save up to 70% on floor space, reduce picking errors by 70% and decrease picking time by more than 60%. The most efficient way of using storage machines is to have article management included with the machine. TC2000 article management software is especially developed for Tornado, Paternoster and HOCA and it can be included as standard to all our machines.

Lift Systems (TORNADO) is a product in the category

Storage Machines and WMS

Lift Systems (TORNADO)
Vertical Carousel (PATERNOSTER)
PaC-Light Update package
Horizontal Carousell (HOCA)
WMS & Control Software

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Description

Storage Machines & WMS › Lift Systems (TORNADO)

Thanks to its ingenious lifting device, the servo-operated Tornado automated storage system is rapid, energy-efficient and silent. It is easy to tailor to each customer's needs. Tornados are the perfect solution for storing and handling the small items in your warehouse or shop.

Tornado offers safe and secure storage for your small part handling. The system's intelligent engine attempts to place active trays close to the retrieval point. This makes the Tornado system especially useful for seasonal products. Tornado has password-protected access levels for added security.

The Tornado's speed both horizontally and vertically offers rapid storage and retrieval. The clear and straightforward structure makes the system extremely reliable and therefore cheap to maintain.

Picking from a Tornado could not be easier. The operator enters a product code, either manually, using a bar-code reader or from a higher-level system. The Tornado then retrieves the required tray and brings it

References

Atlet, Sweden

Berner Oy, Vantaa

Elektroskandia, Finland

Servistik, Sweden

Stema Engineering, Denmark

Scandinavian Eyewear, Sweden

level system. The Tornado then retrieves the required tray and brings it to the operator at the optimum height so the item can be picked.

Products

Fit more goods in the same space - up to a 70% increase in horizontal capacity.

Efficient picking - up to 65% reduction in picking times.

Ergonomic operation - automatic delivery of trays to an optimal working level.

Prevention of unauthorized use - reduction of losses.

Easy, paperless order processing.

The Windows-based PC control system allows easy integration with many types of WMS.

Minimization of picking errors.

Can transfer goods between floors like a lift.
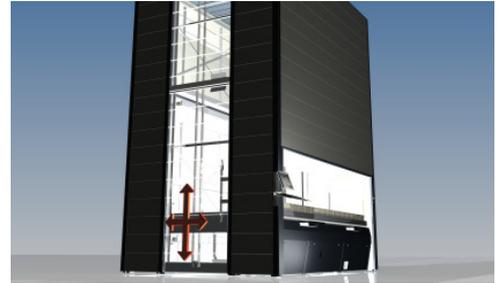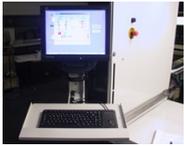
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Specifications

Specifications for TORNADO

- Tray width (inside): 1250-4250 mm
- Tray depth (inside): 520, 620, 720, 820 and 1220 mm (other dimensions on request)
- Tray load capacity: 500 kg maximum
- Standard load height even: 850 mm maximum
- Total load capacity: 60 000 kg maximum
- Total height: 15 m maximum
- Electrical connection: 400 VAC
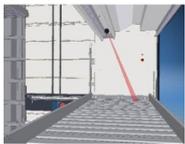- Motor output: 5.5 kW

THINKING INSIDE THE BOX

Accessories - Lift systems (TORNADO)

Article Management Software TC2000

TC2000 is a complete WMS designed for automatic storage and can be integrated into all Constructor machines.

Position Indication List

The position indication list shows the operator in which direction the machine should move from their present location to the next pick. This improves picking speed and reduces errors.

Light Pointer

Light pointer shows where the next pick are located in the tray. This reduces picking errors and makes picking faster.

Picking Openings

Several picking openings can be placed on the same side of the machine or on opposite sides, on the same level or on different levels.

In/Out feeder

In/out feeder automatically brings the tray out of the machine to a place where you can easily use a crane for handling of bulky heavy items.

Cladding Window

With cladding windows you can make your machine look more visual. Through plexi-glass windows you see the speed of the Tornado machine at work.

Electrical Door

With an electrical door you can easily close the machine for the night and prevent unauthorized use. It can also be integrated to fire suppression systems.

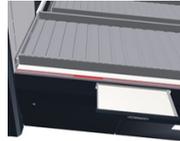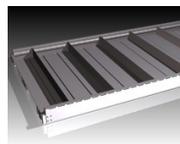### Wireless Bar code reader

To optimise picking efficiency.

Batch Picking List

TC2000 makes it possible to use batch picking with the machines. A batch picking list can be integrated beside all machines.
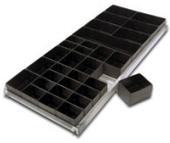
Divider

When there is a need for separating items, Tornado trays and Paternoster carriers can be equipped with dividers instead of boxes.
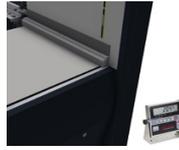
Labelprinter

Model CLP521

Web camera

Web camera for remote support.

THINKING INSIDE THE BOX

Fibre Boxes

Tornado trays can be equipped with boxes in different sizes for small part handling.

Tray weight control

Tray weight control can be installed to Tornado opening. The scale shows the tray load on a separate display that will be installed into the picking opening.

THINKING INSIDE THE BOX