

Miniload storage and picking system

Oticon



Sound engineering solution

A modern hearing aid from Oticon only weighs a few grams.
Paperless storage- and picking system - geared to future growth!



Fast and flawless delivery - larger capacity with fewer man-hours

The growth of Oticon and increasing requirements for space and capacity were the starting signal to a new storage- and picking system.

Advantages:

- 50 percent reduction in space
- 20 percent increase in capacity
- 15 percent increase in efficiency
- Pay back time: 3 years
- Maximum accuracy

Carsten Hedemann of Oticon
Manager Outbound Logistics:

“Our new online storage- and picking system supplied by Univeyor is a solution with future expandability.

The system is reliable and user-friendly with touch screens and a clear user interface.

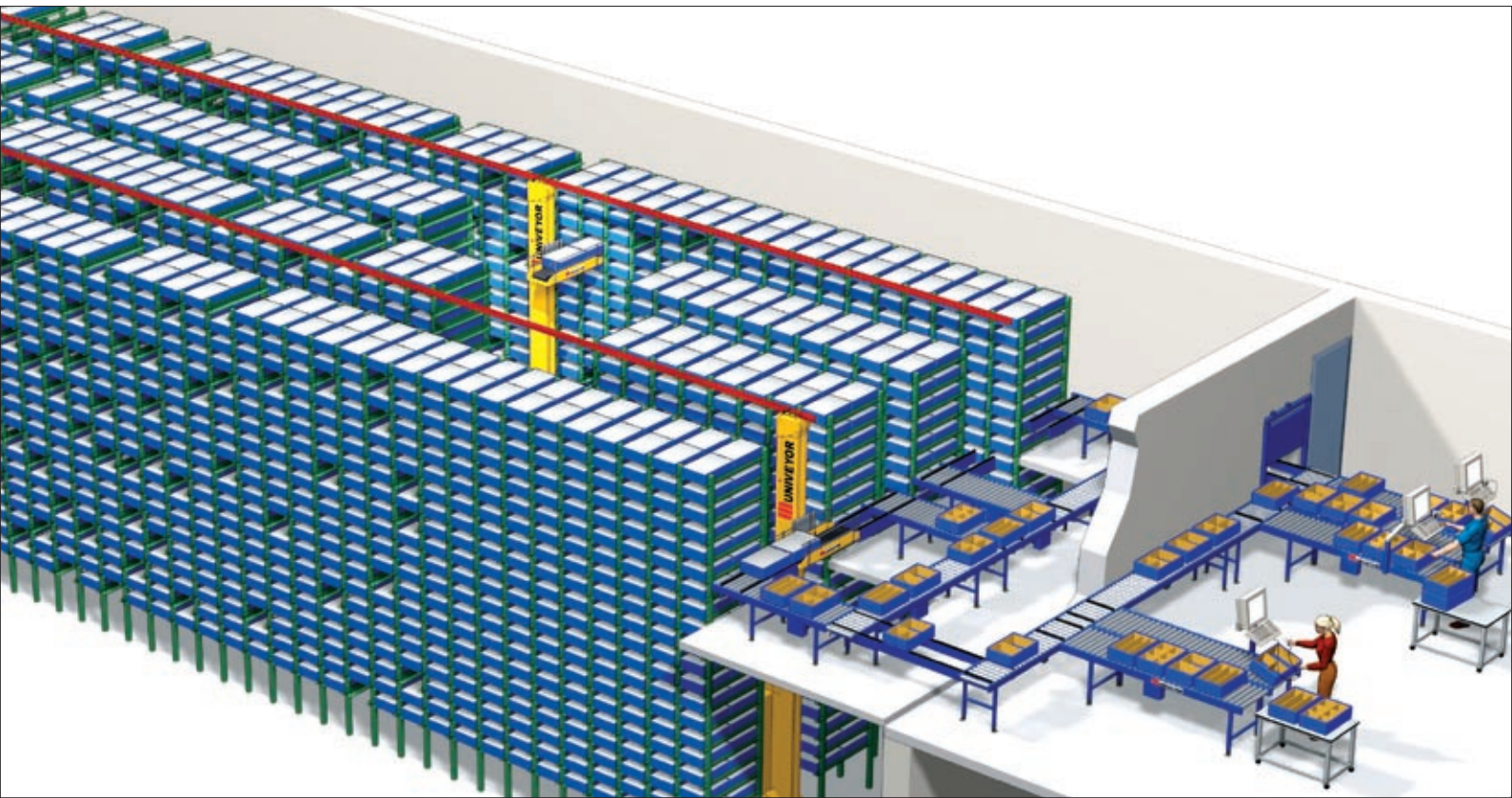
The solution supplied fully meets our expectations.”

Down-to-earth hi-tech

Space requirements of Oticon met by a new, underground miniload store

About Oticon

- Oticon was founded in 1904 and has become one of the world's leading manufacturers of hearing aids, having millions of customers in more than 100 countries.
- In 2001 Oticon completed a modernisation and automation programme for storage and picking.



System specifications

Scope of supply:

- Miniload store - 6.6 m x 28 m, with 2 miniload cranes
- Picking system with 3 picking stations for storage bins (plastic)
- Integrated conveying system
- Complete PC control system

System capacity:

- 6048 storage locations
- 7000 item numbers
- 248 double cycles per hour
- Loop capacity: 480 storage bins out per hour
- 200 storage bins to picking area per hour

- Recovery for picking less than 30 mins
- Items ordered before 02:00 pm - despatched by 05:00 pm
- Delivery within 24 hours in Northern Europe
- 54000 deliveries a year

Random storage

Ensuring the best possible utilisation of capacity and high flexibility

Data- and control concepts

- Integrated and online connection to the administrative data processing system (mfg-pro)
- Monitoring of operational status
- Windows NT user interface
- Bar code scanning
- Tracking via unique ID



Storing to different bin types

Storage bins are partitioned in 1, 2, 3, 4, 6 or 8 segments.

When storing, the relevant bin type is ordered for manual storing by means of touch screen. Should the item number in question already be available in the store, a bin with this item number will automatically be drawn out for replenishment.

The operator bar code reads the article and puts it in the bin segment graphically indicated on the touch screen.

The bins have no fixed locations in the store but are randomly stored on the location best suited at the time as determined by the storage control system.



Automatic infeed to and outfeed from storage - 2 bins at a time

Paperless picking

Picking for 3 types of orders: Sales orders, production orders and counting orders



Reliability and hotline

- User-friendly interface with touch screens prevents operation errors
- Security against breakdown on both local hard disks and server
- 24-hour online system support and service



Articles are picked from partitioned storage bins to order bins.

The display shows where and how many articles to pick.



Picking of up to 5 orders at a time

Picking orders are launched by the operator via touch screen for choice of order type and number of orders. When the picking is launched, a label is printed out for each order. These labels identify bins for picking.

Picking orders are primarily production orders and sales orders. For production orders, a range

of piece parts forming part of the order are picked. For sales orders, hearing aids, case, instructions, cloth etc. are picked for complete pre-packs before despatch.

The store is operated on a FIFO-principle, and after having received an order from the control system, the miniload cranes pick

up the relevant storage bins, and via the loop they are conveyed to the picking station. The bin is tilted by 15° to ensure the best possible work ergonomics.

One operator handles up to 5 picking orders at a time, thus increasing the picking speed and raising the capacity of the miniload store.



>> Headquarters:

Univeyor Logistics Systems
Industrivej 8
DK-9510 Arden
Tel. (+45) 9940 0000
Fax (+45) 9940 0199
info@univeyor.eu
www.univeyor.eu