

## BITO Pallet racking

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# Pallet racking – easy to install, effective and incredibly versatile

**Pallet racking** is still the most widely used storage system for palletised goods. The system's versatility and the fact that it can be implemented with a relatively low budget make pallet racking an economical alternative to keep inventory organised and improve picking productivity. This is why **pallet racking** will remain a “classic” despite modern technologies which are increasingly adopted in warehousing and order picking.



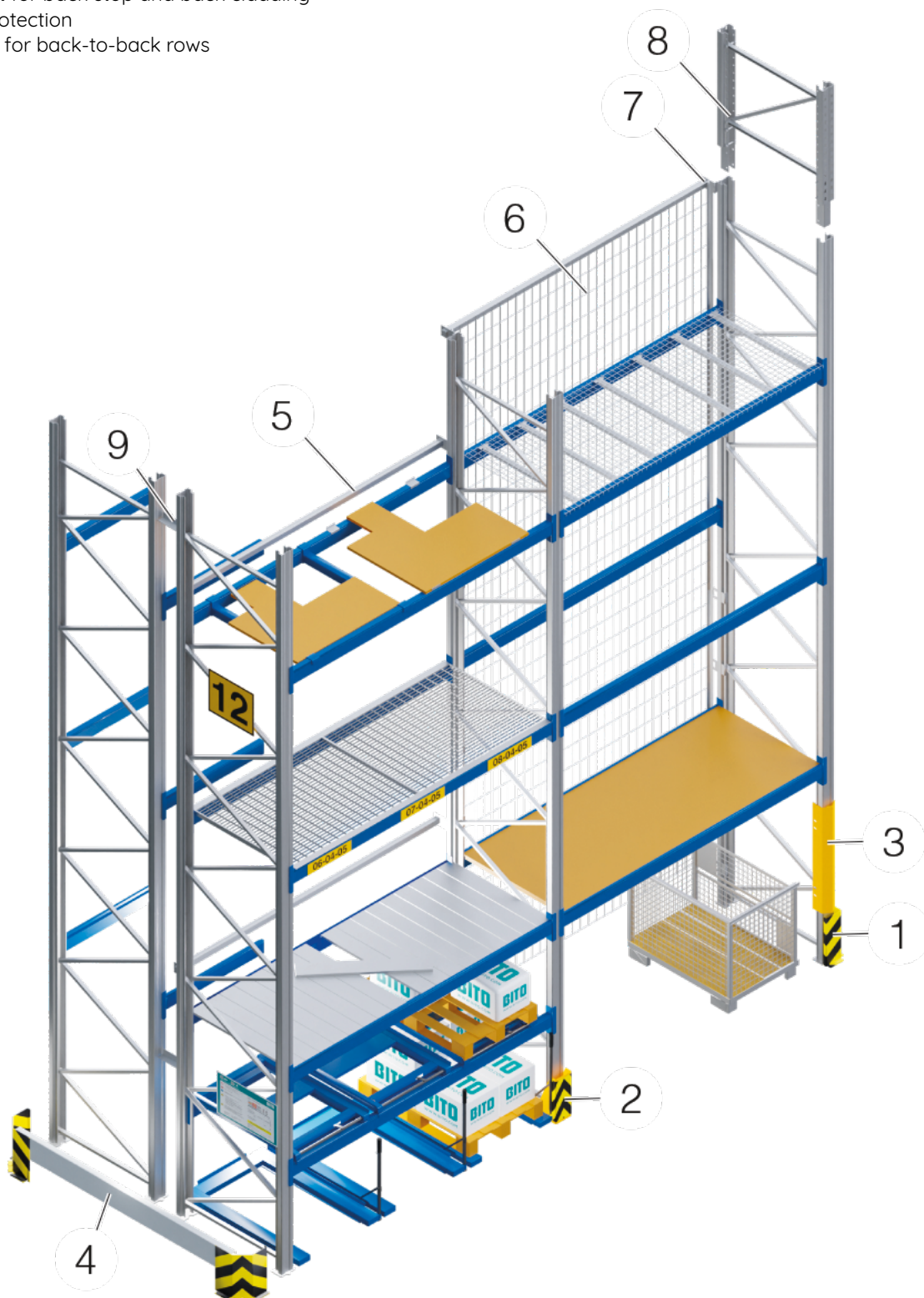
Pallet racking in use at Hornschuch AG

## Advantages of pallet racking:

- ✓ The racking configuration can be easily modified and extended.
- ✓ Selective pallet racking enables direct access to every pallet.
- ✓ The upper levels can be used as product buffer.
- ✓ The system accommodates a wide variety of loads of different size and dimensions.
- ✓ Orders can be picked directly from floor-level pallets.

# Broad range of accessories and safety equipment for any storage application

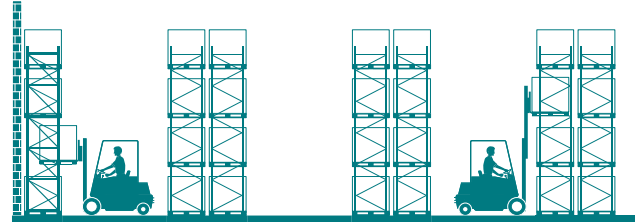
- 1 L-shaped column guard
- 2 U-shaped column guard
- 3 Upright protector
- 4 Safety barrier
- 5 Back stop beam/push-through protection
- 6 Back cladding
- 7 Bracket for back stop and back cladding
- 8 Side protection
- 9 Spacer for back-to-back rows



# BITO Pallet racking

## Wide aisle pallet racking

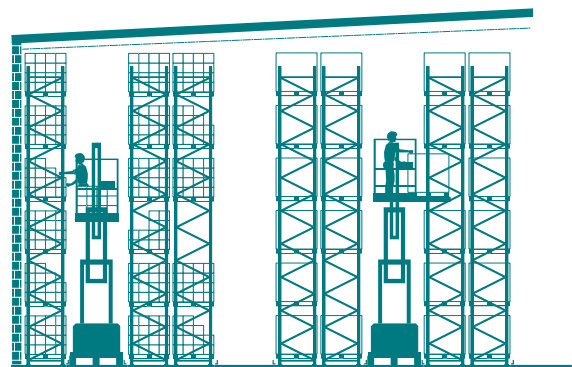
**Wide aisle racking** is the most commonly used system for storing palletised loads. It is generally serviced with standard counterbalance forklift trucks, reach trucks or man-up lift trucks. The aisle width depends on the dimensions of the service vehicle. Loads stored at floor level height can be conveniently handled with a hand pallet truck or an electric lift truck.



- ✓ Low budget pallet storage
- ✓ Ideal for storing all types of unit loads while providing 100% accessibility to all pallets.
- ✓ No need for specialist handling equipment to operate wide aisle racking.
- ✓ Changes to the product range are no problem, since racking re-configuration is possible at any time.
- ✓ Various storage options (pallets handled short-side facing, long-side facing, double deep storage).
- ✓ Thoughtful colour selection provides increased safety and a quiet work atmosphere.
- ✓ Cleverly designed upright and beam profiles maximise racking rigidity and stability.
- ✓ Combines perfectly with other BITO storage systems.
- ✓ Low investment compared to other storage solutions.

## Narrow aisle pallet racking

**Narrow aisle racking** allows to benefit from high density storage by making best use of floor space and roof height. As a rule, narrow aisle facilities are serviced with man-operated stacker cranes or high-level order pickers. This solution also allows manual picking of smaller unit loads from all racking levels. Guide rails or induction lines ensure that service vehicles run precisely on track.



- ✓ High-density storage through optimum use of the available floor area and roof height.
- ✓ Servicing with man-up narrow aisle trucks allows manual picking from all racking levels.
- ✓ No need to relocate goods to lower storage levels for convenient picking.
- ✓ High operating safety, as there is no need for individuals to walk in the aisles.
- ✓ Medium investment costs - compact racking layout requires VNA lift trucks.



# Pallet rack retrofitting

Options for retro-fitting the floor level of your pallet racking



Pallet rack with roller track levels for unit or piece picking (drop-in segments)



Pallet rack with push-back roller track levels for unit or piece picking (inclined levels)



Pallet rack with full-width roller lanes for pallets



Pallet rack with container pick walls



Pallet rack with shelving (straight shelf levels)



Pallet rack with drop-on wire shelves



Pallet rack with chipboard panel decking



Pallet rack with shelving (inclined shelf levels)



Pallet racking with steel panel decking

# Centralised storage solution with BITO pallet racking

## About the customer:

**Konrad Hornschuch AG** is one of the leading manufacturers of decorative design, functional and foam foils for end users as well as of artificial leather for customers from the furniture, construction and automotive industries and the entire contract sector. Founded in 1898, the Hornschuch group is still headquartered close to Heilbronn, Germany. With some 1,300 employees and a turnover of more than €290 million, the film and foil manufacturer is a market leader in the sector of surface design.

## Customer requirements:

- All products are to be stored and picked under a single roof.
- Reduce costs by centralising all inventories in one location.
- Furnish some 11,000 square metres of warehouse space and a large new building complex.
- Implement a reliable storage system.
- Improve access times and product availability.
- Maintain existing processes while increasing storage capacity.



## THE BITO SOLUTION

- Combination of narrow aisle pallet racking and high-bay shelving.
- Another pallet racking block with some 2,800 pallet positions used for order picking.
- The narrow aisle high-bay racking with a height of 20 metres provides some 12,500 pallet positions.

Flow levels fitted into pallet racking bays at floor level height allow convenient picking of individual products or smaller unit loads.

## Customer benefits

- Many pallet positions per square metre.
- Immediate order processing and shorter delivery times thanks to the buffer stock.
- Orders can be picked directly from the high-bay warehouse. Fast access and retrieval times, excellent product availability and compact storage.

### WHAT OUR CUSTOMERS SAY:

”

Improving logistics at our headquarters also builds value for our customers. We are now able to deliver some 98% of all orders within 2 working days within Germany, because central warehousing allows us to take advantage of synergy effects with regard to incoming goods and transport times between product buffer and order picking areas. Short access times, a very good product availability and compact storage are further benefits.

#### **BITO Pallet racking**

Director of Technology at Konrad Hornschuch AG



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TO GIVE ADVICE.



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**BITO Storage Systems Nordic**

Agerhatten 16C, indgang 4  
DK-5220 Odense SØ  
Tel: +45 70 21 51 51  
[info.dk@bito.com](mailto:info.dk@bito.com)  
[www.bito.com](http://www.bito.com)

**BITO Storage Systems Nordic**

Poststugan 606  
SE-211 65 Malmö  
Tel: +46 42 15 19 10  
[info.se@bito.com](mailto:info.se@bito.com)  
[www.bito.com](http://www.bito.com)

**BITO Storage Systems Nordic**

Äyritie 12 B  
FI-01510 Vantaa  
Tel: +358 10 324 6510  
[info.fi@bito.com](mailto:info.fi@bito.com)  
[www.bito.com](http://www.bito.com)

**REOLTEKNIKK AS**

Majorvegen 12  
NO-2030 Nannestad  
Tel: +47 63 93 52 00  
[post@reolteknikk.no](mailto:post@reolteknikk.no)  
[www.reolteknikk.no](http://www.reolteknikk.no)



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