

A Member of the Constructor Group



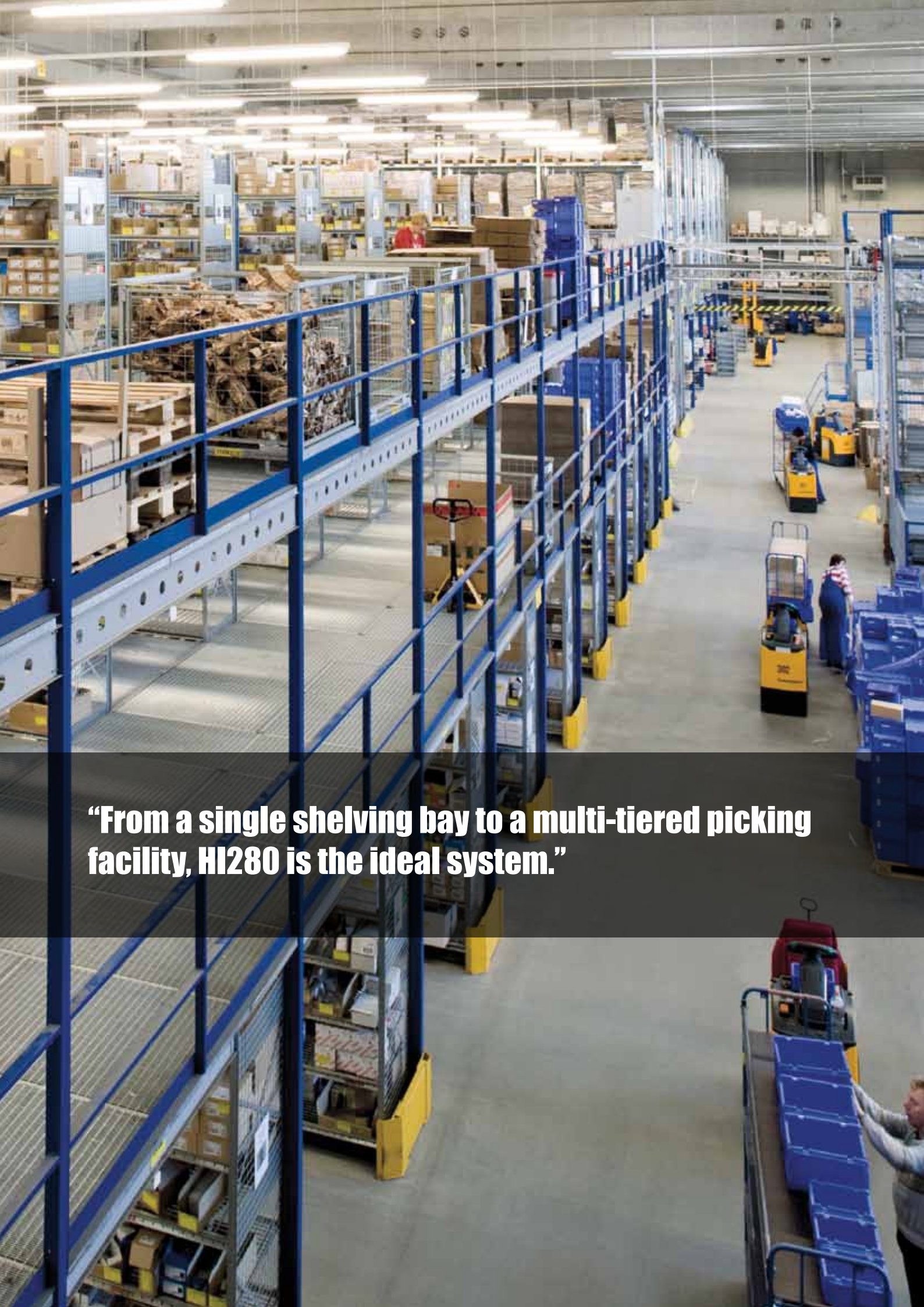
Storage solutions since 1947

# HI280 SHELVING SYSTEM

Adjustable Small Parts Storage System







**“From a single shelving bay to a multi-tiered picking facility, HI280 is the ideal system.”**



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## Always a solution for your specific needs

When looking for a small parts storage solution, everyone has different needs. Whatever they might be, the HI280 adjustable Shelving System can provide it.

As your needs change so the HI280 Shelving System can change with them. It's that adjustable.

The HI280 Shelving System is easy to install, durable in use, easy to adjust and then readjust, time and time again.

A patented construction method makes this possible. The HI280 is a solution produced in high-grade pre-galvanised steel and designed on a minimum number of basic components, with an absence of nuts and bolts for single-tier installations. The standardised frame elements guarantee easy assembly. Additional components selected from a wide range of accessory parts, can simply be added afterwards.

This makes the HI280 Shelving System extremely robust and incredibly adaptable. The variety of applications is almost endless – from a small traditional shelving system to an automated high-rise racking installation.



**THINKING  
INSIDE  
THE  
BOX**

## Increasing warehouse efficiency by thinking inside the box

By "The Box" we specifically mean your warehouse. Our broad ranges of storage solutions have one thing in common; robustness and adjustability, which allows us to provide your business with efficient solutions, perfectly fitted for your exact requirements. You can rest assured that we will find an efficient solution that meets your current needs – which is equally easy to adjust for your future needs.

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## Customising your warehouse

Contact us, and we will start thinking inside your box to develop the customised, variable storage solution for you.

Whether you need a single tier shelving system or a multi-tier storage installation – we will find the best solution for your needs. Choose from our standard components, and create either a basic shelving system or, in combination with the huge variety of accessories in the HI280 Shelving System, a multi-functional system. With a height range of up to 12m, widths up to 2.5m and depths up to 1m, the shelving system can be precisely fitted into your warehouse. We analyse your available space in terms of height, width and depth, and create a tailor-made solution serving your specific needs – enhancing both storage and operating procedures for your company.



### Quick and easy to assemble

Assembling the HI280 Shelving System is simple and straight forward. The standard support frame is easy to assemble; all other components and accessories can easily be added to the system afterwards.

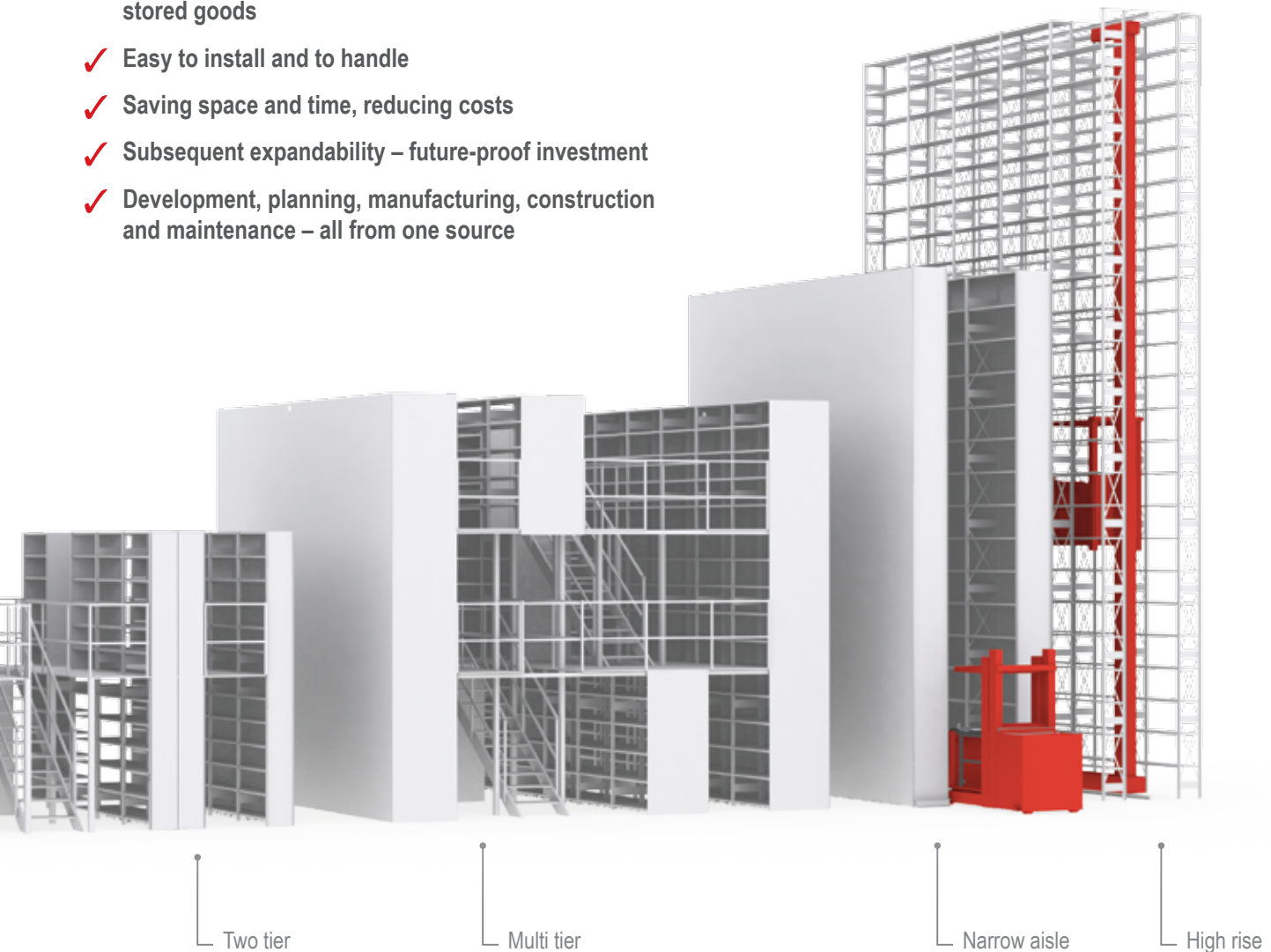
### Maximum stability

This shelving system has a particularly robust construction and high level of quality workmanship. Therefore, exceptional rack heights, depths and load-bearing capacities can be achieved. Medium span shelving is also available within the HI280 Shelving range.

### Optimum use of space

Regardless of the type of goods, available space or layout, HI280 Shelving can adapt perfectly to the situation. With the appropriate frames, the system can be assembled into a five-tier installation, up to a height of 12 metres.

- ✓ Efficient and clearly arranged storage solution
- ✓ Fast access to the stored goods
- ✓ Wide range of accessories
- ✓ High load capacity (weight)
- ✓ Individually adaptable to the physical situation and the stored goods
- ✓ Easy to install and to handle
- ✓ Saving space and time, reducing costs
- ✓ Subsequent expandability – future-proof investment
- ✓ Development, planning, manufacturing, construction and maintenance – all from one source



### High quality workmanship

To guarantee their durability, all the HI280 Shelving System components are permanently protected against environmental damage. All surfaces, inner and outer, are pre-galvanised, protecting the system from rust. Even when scratched, the galvanized steel will not be affected by rust, but retain its shiny surface. The surface also enhances the light-reflected as opposed to painted finishes, reducing the need for expensive lighting.

### Guaranteed future-proof

Your storage needs may grow or change dramatically. They often do. HI280 Shelving System can easily adjust to that. Thanks to its modular and extremely robust construction, removal and rebuilding are equally easy.

### Wide range of applications

You can combine nearly any standard component with any accessory part, from pull-out shelves and drawers to special features like mobile solutions. HI280 Shelving System is infinitely adjustable.

## Standard shelving

This modular, adjustable HI280 Shelving System is based on a range of standard sized uprights and shelves made from high-grade pre-galvanized steel. These can be assembled in numerous ways. By using components from a wide selection of shelving dimensions accessory parts and including a range of plastic storage bins, the system offers a comprehensive solution for any small parts storage or picking area.

The HI280 shelving system has a height range of up to 12m, shelf widths of up to 2.5m and depths of up to 1m, making it extremely adjustable and suitable for whatever storage requirements you might have – now or in the future.



Frame cladding

HI280 upright

Shelf divider (part height)

Drawer nest

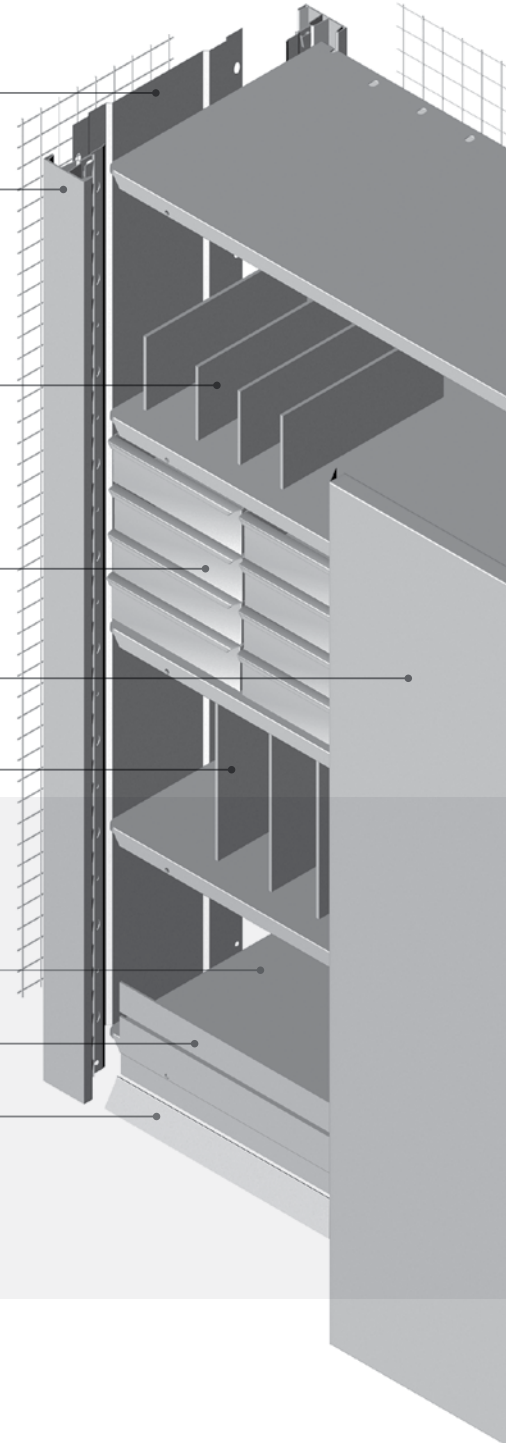
Door

Shelf divider (full height)

Shelf deck

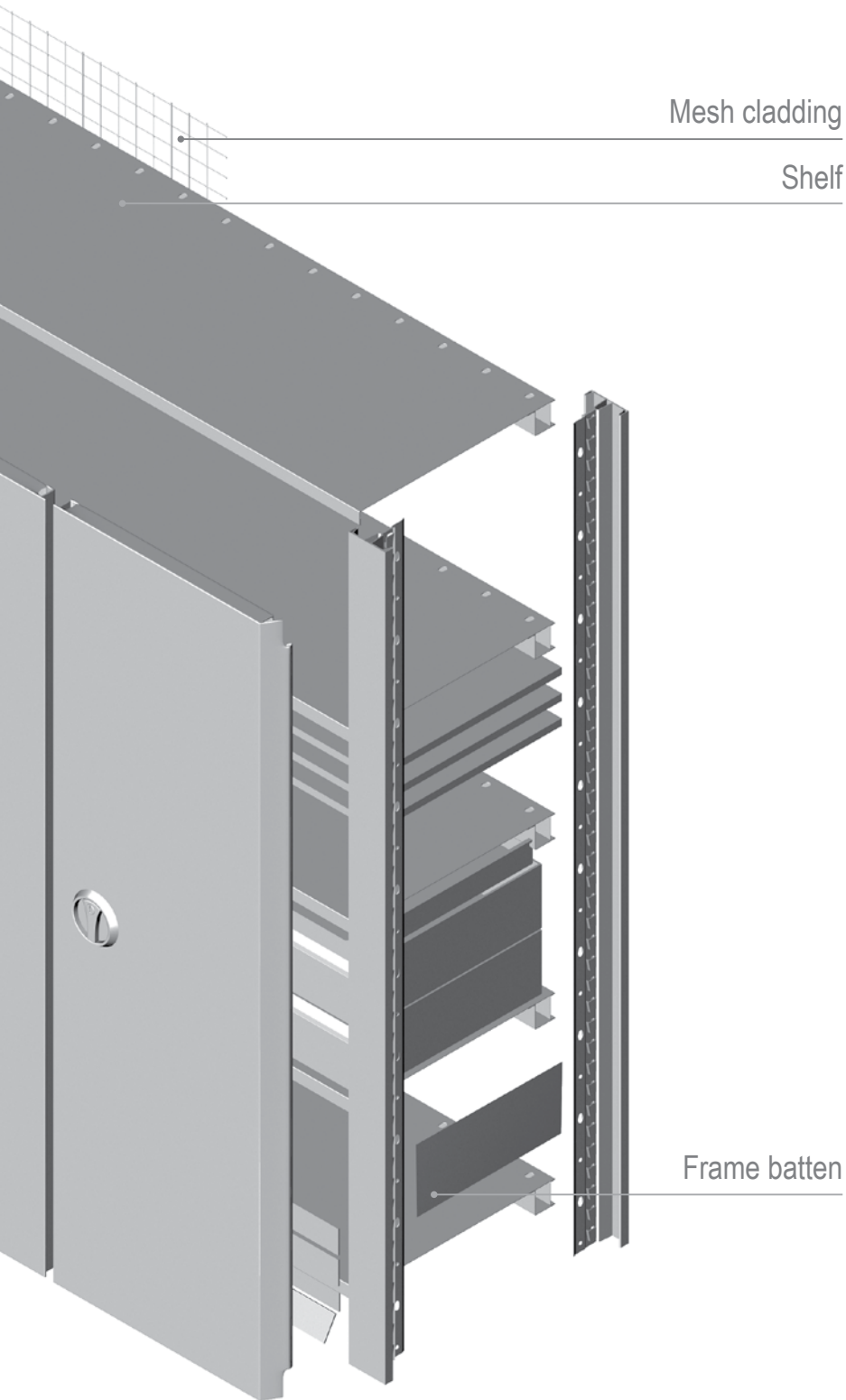
Bin front

Base plinth



More information see:  
[www.dexion.ie/hi280](http://www.dexion.ie/hi280)





**BENEFITS OF  
STANDARD SHELVING**

- Store large quantities
- Store heavy loads
- Space for efficient storage
- Optimum use of space
- Easy to adjust for changing needs



Frame batten

## Multi-tier



By using HI280 as a multi-tier installation it is possible to create a large picking area in your warehouse. The HI280 Shelving System multi-tier with an interposed mezzanine floor is a construction built as two or more levels. The shelving is constructed using heavy duty uprights which act to support the floor(s) above. Sprinkler systems and lighting can easily be incorporated into the structure.

### BENEFITS OF MULTI-TIER

- High space utilisation
- Increases storage capacity
- Lower facility investment
- Saves time with shorter operational walking distances
- Increases picking rates



More information see:  
[www.dexion.ie/hi280-multi-tier](http://www.dexion.ie/hi280-multi-tier)



## Medium span



Medium span shelving is often used for storing large and heavy products and could also be used for picking from both sides. The goods are stored on deep chipboard shelves. Many parts and accessories from the standard HI280 Shelving System also suit this wider HI280 Shelving System, making them easy to combine. The standard 18mm chipboard shelves can be upgraded to steel shelves for heavy-duty storage.

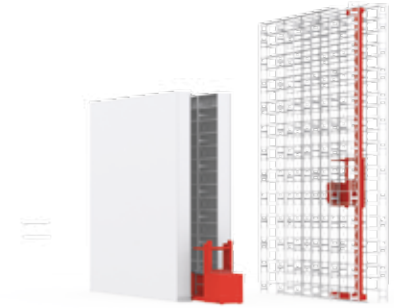
### BENEFITS OF MEDIUM SPAN

- Stores bulky or unwieldy goods efficiently
- Easy picking from both sides
- Flexibility through compatibility and easy integration with short span HI280 shelving



 More information see:  
[www.dexion.ie/hi280-medium-span](http://www.dexion.ie/hi280-medium-span)

## Narrow aisle/High rise



Narrow aisle and High rise shelving systems are common in 24–7 warehouses, with easy access for man up trucks, or handling by automatic cranes.

A narrow aisle storage installation offers a unique optimisation of storage space.



### BENEFITS OF NARROW AISLE/HIGH RISE

- High space and floor utilisation
- Lower facility investment
- Ergonomic picking
- Increases picking rates



More information see:  
[www.dexion.ie/hi280-narrow-aisle](http://www.dexion.ie/hi280-narrow-aisle)



## Mobile



When lack of space is an issue the HI280 Shelving System can be mounted on mobile units, providing the optimal compact storage system. Mobile shelving is often used for small parts storage as well as archive storage solutions. Additionally, this shelving system provides a secure storage, as the mobile units can be locked and access given only through an electronic code or key.

### BENEFITS OF MOBILE

- Utilisation of floor space
- Lower facility investments
- Doubles warehouse capacity
- Prevents unauthorised access with locks
- Easy access to individual items



 More information see:  
[www.dexion.ie/hi280-mobile](http://www.dexion.ie/hi280-mobile)



## Accessories for HI280

– Discover the Opportunities

Various accessory parts make individual adaptation for stored goods or for different physical spaces easy. There's always a solution for you. These are only a few examples.

### Plastic trays and bins

Ideal for storing smaller items, available in a number of sizes.



### Shelf drawers and drawer nests

For storing small parts. Shelf drawers positioned directly on the HI280 shelf or guided in a frame.



### Pull out tray and drawers

Suitable for storage of smaller goods. Supported on a pair of expansion slides. The drawers can be sub-divided front to back.



### Shelf divider full height

Used to separate stored items and create shelf locations. Secured with 4 pins between the upper and lower shelf.



### Bin front

Fitted to the front and/or back of a shelf to prevent items falling from the shelf. Can be stacked on top of each other.



### Shelf divider part height

Used to sub-divide the shelf into smaller compartments. Independent of shelf pitch. Secured to the shelf below. Available in 90mm and 140mm heights.



### Base plinth

Fitting at the front, below the first shelf, a plinth prevents items from entering the space beneath.



### Tube rail

Used as a garment rail. Hooks are also available for hanging items from the tubular rail.



### Lockable doors

Full and part height lockable doors, with double locking points to top and bottom.



### Bay divider

Used to segregate long goods when stored vertically. Allows fast and direct access.



### Tyre bracket

Allows the tyre to rest on a larger surface to avoid point loads and flat spots.



### Chipboard shelf

Chipboard shelf for medium span beams with cross beam supports underneath.



### U-support

A 'U' shaped wire support for subdividing medium span bays into suitable compartments.



### Sign holder

Clipping to the upright they provide a good base for labels ensuring accurate and rapid identification.



### Steel In-fill panel

For medium span beams, the In-fill panel is used front to back creating a strong steel storage level.



## References

### Multi-Tier Shelving

A two tier shelving system with 17,000 shelves was installed at the new ultra-modern distribution centre in Waldlaubersheim for Staples, the world's largest dealer in office equipment. In four halls with a total area of 45,000m<sup>2</sup>, 14,000 order items are being picked and dispatched every day – and the potential daily output is 60,000 items.

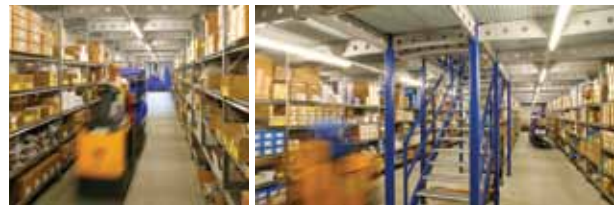


### Narrow Aisle

Volkswagen Parts Logistics in Nykvarn is the new central warehouse in Scandinavia, supporting all car models in the Volkswagen group. The warehouse is planned around different departments each equipped with its own storage system. Each storage area utilised a bespoke pallet racking and cantilever system, narrow aisle storage with the HI280 shelving system creating a very effective and successful combination.

### Medium Span

Rexel is the world market leader in the distribution of electrical material and technical equipment. Nearly 70,000 articles are stored on the medium span shelves. Whereas the old warehouse was able to process 6,000 order lines per day, the new plant handles figures of up to 12,000 lines.



### Tyre Racks

Due to regulations in some countries, cars must have two sets of tyres, one for summer and another for winter. This required Bekö Bil in Gothenburg Sweden to invest in a new, highly modern workshop for tyre services. Mobile HI280 tyre racks with 7 levels were installed and power assisted vehicles were used for access.

### Mobile

HI280 shelving on Compactus mobile bases provides a flexible system in a limited floor space for Klinger, a marine supplier with a complete range of valves and seals. Access was needed 24/7 in order to pick items for fast dispatch all over the world.







**The benefits of a Dexion rack inspection:**

- Comprehensive professional inspection
- Certified and experienced inspectors
- No interruption to operations
- Detailed inspection report
- Prevention of damage to people or goods
- Extending life span of facilities
- Early risk discovery minimises future repair costs
- Repair work can be completed quickly
- Provides independent expert to assess equipment

## Keep your warehouse safe

– By detecting defects early

The daily moving of goods is likely to cause some knocks and damage to your storage system. In the long run, these minor defects can change the capacity of shelving or pallet racking and lead to incidents that could possibly cause damage to both man and material.

Regular inspections will minimise the frequency and effect of these incidents by identifying crucial damage at an early stage.

Dexion's inspectors are highly experienced and certified. They provide yearly inspections to keep your facilities safe and up-to-date. Every inspection is followed by an offer of suggested replacement parts including fitting. When fully approved, you receive an official certificate of approval until the next inspection date.



### Our Services at a glance:

#### Accurate visual inspection

An inspection is executed without any interruption to your working processes. The rack inspector reviews the racking structure, its load capacity and any safety guards that are in place.

#### Official Report

After an inspection you will receive an official, signed inspection-report,

with recommendations concerning maintenance or further inspections.

#### Offer for maintenance

If there are any maintenance issues, or reasons for non compliance with safety guidelines, then you will also receive a non-binding offer for rectification of the damage, along with our competent support during the time it takes to bring your storage system back in-line with safety standards.

### Long-term inspection plan

Together, with you, we can develop a plan for future safety audits and damage reduction that will maintain your storage system to its optimum capacity.

OPTIMISING  
YOUR BUSINESS  
BY THINKING  
INSIDE THE  
BOX

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