

PALLET RACKING SOLUTIONS



LINK

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 **whittan**
A Whittan Group Company

OPTIMUM STORAGE OF PALLETISED GOODS



The Link racking system, one of the most widely used pallet racking systems available today, has evolved as a result of our in depth knowledge of storage and materials handling techniques gained during 65 years experience as a leading manufacturer.

Easily installed, cost-effective and versatile. Adjustable beam racking is the most widely used of pallet storage systems and allows direct access to each pallet stored.

By selecting from a wide range of sizes and duties for standard frame uprights and beams, Link racking can be configured to meet precise criteria in terms of load volume and weight, accessibility, handling requirements and space utilisation.

Pallet racking in its standard form provides safe, cost-effective storage for many different kinds of goods and materials. But for increased versatility a range of practical add-on accessories to make the storage and handling of goods even easier is available.



Link maintains rigorous management processes to ensure compliance with and accreditation to a wide range of policies, covering health & safety, environmental and quality.

We operate quality systems in accordance with the latest ISO standards.



ISO 9001:2008
Certification of quality management system for all areas of the business.



ISO 14001
The globally recognised standard for environmental management.



BS OHSAS 18001-2007
The international standard for occupational health and safety management.

WIDE AISLE



WIDE AISLE

- Easily installed, cost-effective and versatile; wide aisle racking is the most widely used pallet storage system.
- Direct access to each pallet stored.
- With adjustable beams, racking can be re-configured to accommodate changes in the type of goods stored.
- Wide aisles allow access by all types of truck, making specialised handling equipment unnecessary.



NARROW AISLE



NARROW AISLE

- Trucks operate in aisles that are (up to) half the width of wide aisle pallet racking. Narrow aisles make excellent use of floor space and maximises the height at which goods can be stacked.
- Easy, individual access to all pallets stored.
- Specialised lift trucks are required in either 'man-down' or 'man-up' variants, allow manoeuvring in the narrow aisles between racks.
- Rails or wires at floor level guide trucks precisely into position; reducing the risk of accidental damage from user error and improving safety within the system.
- Use of cameras, indexing and RFID.



DOUBLE DEEP & DRIVE-IN

DOUBLE DEEP

- Double Deep pallet racking, as the name implies, allows pallets to be stored two deep, with both pallets accessible from the same aisle.
- By reducing the number of access aisles and using the space saved to accommodate additional racking, a Double Deep configuration provides a highly space-efficient storage system.
- Pallets stored two deep require forklift trucks with extend-able forks.
- Speed of access to all pallet positions is restricted.



DRIVE IN

- Drive-in racking provides a high- density storage area. This will increase capacity by 60-80% (when compared to conventional "aisle" racking).
- Pallets are stored on guide rails so forklift trucks can enter "storage lanes," in order to deposit and retrieve loads.
- Access can be from one end (the true 'drive-in' configuration) or from both ends ('drive- through', for improved stock rotation).
- A safe and efficient solution for fragile or unstable loads. Loads are stacked individually, rather than on top of each other.
- Ideal for optimum space utilisation (without requiring specialist handling equipment).
- Sprinkler systems can be incorporated into the racking structure.



DYNAMIC SOLUTIONS

PALLET LIVE

- High capacity storage system; ideal for storing perishable with high rotation, as well as high consumption goods with a continuous flow.
- Working on a first in, first out basis, dynamic live storage racking provides automatic stock rotation.
- Pallets are loaded onto dedicated lanes of inclined gravity rollers, when a load is taken from the picking face, the next pallet rolls into position.
- Pallet separators and speed controllers regulate pallet movement down the incline.
- Requires only two fork truck aisles; one for loading and one for picking.



CARTON LIVE

- Manual, hand-loaded Carton Live offers 'first-in, first-out' storage; ideal for areas handling and using fast moving product lines.
- Inclined trays of roller tracks allow goods to roll down dedicated lanes within the trays, from the loading to the picking face.
- Speed control reduces order picking times and helps minimise errors, as items are presented precisely at the picking face.
- Both the size and number of rollers within the trays, (and the load capacity of the support frames), are tailored to the size and weight of the items stored.



PALLET SHUTTLE

- Can work either as FIFO or as LIFO, so it is a highly efficient alternative to Drive-In, Push Back or Pallet Live storage.
- Features guide/ support rails which run the depth of the rack structure on which an automated battery powered shuttle travels.
- Pallets are loaded onto the shuttle at the front of the lane, which transports the pallet down to the other end (placing the new load at a predetermined distance from previous pallets), before returning to the start face.
- The shuttle movements are sent via the radio remote controller: allowing the forklift truck and driver to be released to other tasks while the shuttle operates.
- The shuttle is easily moved between lanes by a standard fork lift truck.



PUSH BACK

- Effectively utilising floor and cubic space, dynamic Push-back racking is amongst the most space and time-efficient pallet storage systems available.
- Pallets are loaded in sequence onto wheeled carts or rollers and are pushed back along inclined beds.
- Pallets can be stored up to 6 deep on carts or 10 deep on rollers and when a load is retrieved the remaining pallets move forward into position at the picking face.
- Pallets are retrieved on a 'first-in, last-out' basis with each product having a dedicated lane.
- Push-back racking is particularly useful in marshalling areas, and for long-term bulk storage and handling.



TIERED STRUCTURES



PICK TOWERS

- Pick Towers are tiered pallet racking or shelving structures that are designed to meet two key goals – increasing picking efficiency and maximising storage capacity. A ground plus 3 level pick tower can increase storage capacity by 300% in the same footprint or could reduce a new build by up to 75% in size.
- Installing a pick tower allows you to maximise your building capacity to either create more SKU (Stock Keeping Unit) capacity or create valuable space for departments within your operation.
- Can be designed to store single SKU's, full cartons, pallets or a combination.
- Pick tower can easily incorporate conveyor solutions and a variety of picking systems (including voice pickings and pick to light), all of which can increase pick rate.
- The modular design of the pick towers allows for easy integration of other services and utilities; such as fire protection, ventilation, sprinklers, sensor operated lighting, pallet gates and tote lifts within the structure.



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This publication shows general concepts only, and should not be used as a guide for specific design or assembly purposes. Link reserves the right to alter the specification on any of these products, in the customers interest, without prior notification.

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