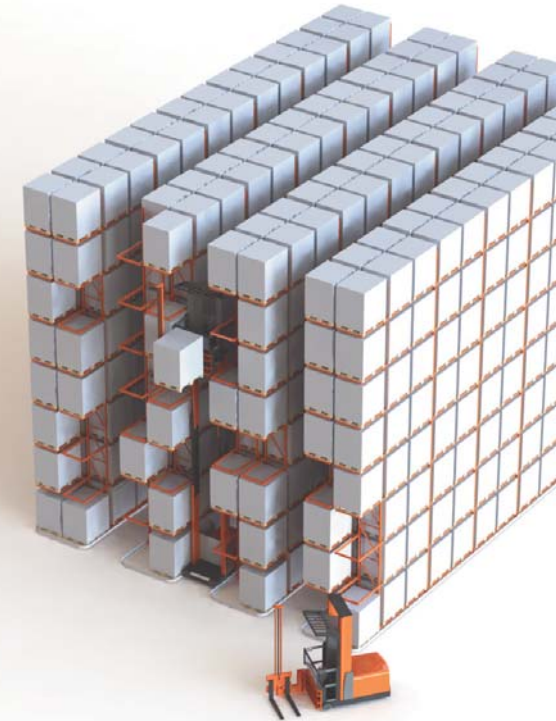
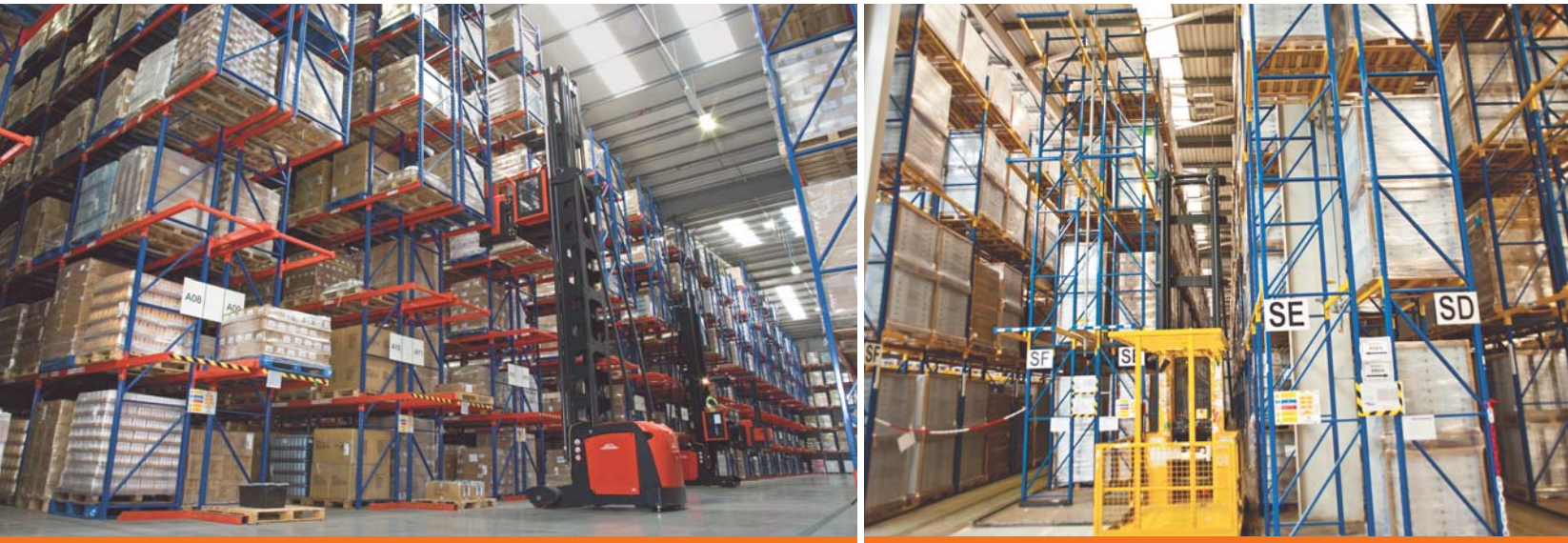


Very Narrow Aisle Pallet Racking

Dramatically Increasing Space Utilisation



RediRack Very Narrow Aisle (VNA) pallet racking has an aisle width from 1.45m which can achieve 55% floor utilisation when compared to a wide aisle system. Each pallet is supported within the scheme, meaning stock rotation and accessibility are as good as a wide aisle system.

- Very Narrow Aisle racking is a good space-saving option for warehouses with limited floor space.
- Significant increase in space utilisation.
- Each aisle is only marginally wider than the handling equipment which operates the system; goods are taken to and from the system by general purpose handling equipment which can use a pick and deposit (P&D) station located at the ends of narrow aisle systems.
- With a man up machine the driver can easily pick loads/orders to increase throughput.

Very narrow aisle racking requires specialist trucks which run within a defined path between the racks. Often a guide rail or wire guidance system would be fitted. Wire guidance is embedded in the floor which keeps the floor clear of obstructions and is easy to clean.

- This type of racking requires specialist narrow aisle forklift trucks which ensure stock rotation and accessibility are as good as that offered by a wide aisle system.
- RediRack's narrow and very narrow aisle (VNA) pallet racking is perfect where floor space is limited and there is a need for maximum storage with easy pallet access.
- Every RediRack system is tailor-made for your individual needs and can be installed at a relatively low cost, making the most profitable use of your available space.

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Very Narrow Aisle Pallet Racking

Case Studies



The Eldred Group



The Eldred Group are specialists in the storage and distribution industry, with a total warehouse capacity of more than 350,000 sq ft. They needed additional storage space creating within very tight time deadlines and approached RediRack for a storage solution.

RediRack built a very narrow aisle system to fill the new space, with two single and seven double runs of racking the scheme has fifteen 2.7 metre bays per run. Rising to a height of over ten metres, it has five beam levels to a bay and the entire system is decked to allow for storing boxed stock. Fork lift trucks are steered by guide rails and the end frames are protected by RediRack sacrificial legs.

More than 3,000 pallet spaces are now available in the 30 x 40 metre storage space finished off in the Eldred Transport Corporate blue.

Martin Eldred, Owner said: *"The time frame for this job was very, very tight. The installation from RediRack was highly professional and exceptionally well managed. The racking was completed on time and we felt we received excellent value for money. Well done RediRack!"*

Alba plc.



Alba plc. is one of Europe's leading suppliers of consumer electrical goods. They built a state of the art, £8 million, 140,000 sq ft purpose facility that could house 27,000 pallet locations in order to bring more of its logistics in-house. Alba needed a sophisticated warehouse management system for stock control, storage and retrieval as well as to maximise storage capacity and asked RediRack to design a scheme to meet their needs.

RediRack designed a system that is more than fourteen metres high and serviced by man-up pallet stackers. There are 62 runs of racking, each with eight beam levels, the majority of which are 28 bays, or 71.5 metres long in order to accommodate more than 3000 pallet movements a day.

Alba's Logistics Director, Mark Taylor said of his experience with RediRack: *"At very short notice, they were able to pick up the project and, within two weeks, start installing the racking. I don't know how they did it, but they even completed the installation a week early, allowing us to open on schedule."*

CS Ellis (Group) Ltd.



Corgi is one of the best-known toy and collectables brands and is over 50 years old having produced models of virtually every type of car, bus and truck since 1956.

Corgi outsourced its distribution to CS Ellis who provided warehousing and distribution services from a custom built facility.

There are two single and three double runs that fully exploit the height of the building, with frames rising to over 14.5 metres. Two pallets are stored per bay with 30 bays per run and eight beam levels which means the racking system provides storage for over 4300 pallets.

The rack is arranged in a very narrow aisle configuration, aisle width is 1740mm. Pallets are picked and put away by man-up order picker stacker trucks that are wire guided within the aisles and they handle the pallets on their 1200mm face, meaning that they are stored 1000mm deep.

Recognising the magnitude of the performance by CS Ellis, the United Kingdom Warehousing Association (UKWA) awarded the company its Warehouse Team of the Year award. By outsourcing the distribution, Corgi were able to reduce their operating costs by 30%.

Very Narrow Aisle Racking At a Glance

Aisle Width - from 1.45m	
Space Utilisation - 55%	
Throughput Speeds - High	
Selectivity - 100%	
Specialist Forklift Trucks	
Stock rotation - Easily achieved	
Safety of Goods - Very good, all pallets individually supported in rack	

