2 March 2006

Deepstor

New 130mm and 150mm uprights that are available from 2.0mm to 3.5mm thickness have recently been released to cater for the demand by customers to store heavier pallet loads, and to maximise capacity in higher installations.

The new uprights will be incorporated into the popular Deepstor Drive-In Pallet Storage System range. They will also be used in the construction of Rack-Clad Buildings.

Deepstor

Deepstor was originally introduced in 2002 and was seen as a first for the Pallet Racking Industry - a revolutionary new racking system purpose designed for 'Drive In'. Accordingly, the market responded to the unique features of the system and there are now hundreds of installations across the region.

Jumbo Rack Uprights Released

Deepstor is a space efficient pallet storage system that ensures 90% of total rack volume is available for product storage. The system best suits a limited number of different product lines as pallets are positioned on unique, self - centering cantilevered rails that enable rows to be placed adjacent to each other. The system eliminates significant numbers of aisle ways, making Deepstor ideal for high volume storage on a 'first in last out principle'. Deepstor has proved to be very popular in the cold storage and food industries in particular.

Deepstor has a number of unique features including a special construction system that sets it apart from its competitors. The "Wall Frame" construction method consists of parallel rows of frames constructed of complete braced frames and single uprights spaced at intervals to suit

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Deepstor Racking

the loading conditions. The rows are spaced left to right by means of strut beams fitted at the top of each upright. In the front to back direction the rows are interconnected by means of pallet rails mounted on arms fitted in the uprights. Further Stability is provided by means of top, back and frame bracing.

The system enables a fork lift to enter any lane between adjacent rows of frames to deposit or retrieve pallets from the pallet rails.

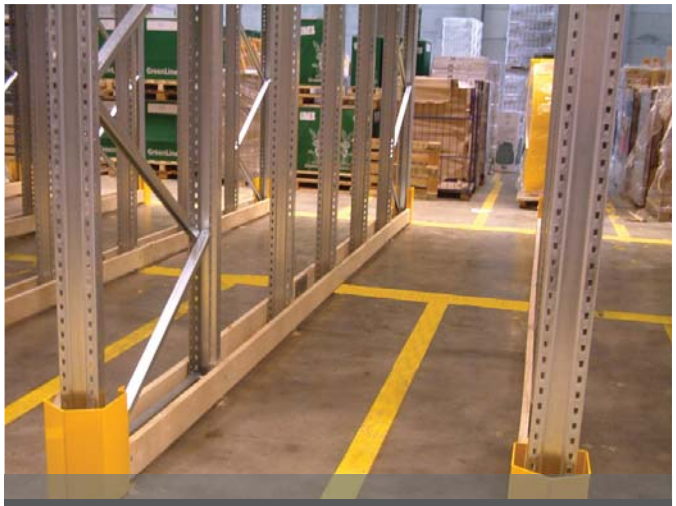
In the racking industry it is generally understood that the higher the system, the lower the costs per pallet handled. A typical high rise system some years ago would have been designed for maximum heights of 12m, but with new products and processes, racking can extend considerably higher. That's where the new 'jumbo' uprights come into their own.

Rack-Clad Buildings

Rack Clad Buildings are also within the range and capacity of the new uprights. With a rack-clad building the racking not only accommodates the pallets being stored but also forms the structure of the actual building. They are designed to offer the maximum profitability on storage space with minimum use of building footprint. This type of installation avoids the normal costs of construction of typical high bay warehouses as the racking structure supports the walls, roof and other accessories. The rack-clad building offers a speedy economical warehouse, which is possible to extend, dismount or even relocate.

Because of the forces encountered in rack-clad structures such as weather and seismic activity and dynamic forces made by the movement of cranes and roof weight etc. rack clad designs and calculations have to be of the highest level.

For designing and calculating rack-clad buildings, Dexion's Engineering team uses 3D software for its layouts, finite element modelling and second order analysis to develop and confirm that all rack designs comply with global standards.



New Uprights

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