



warehouse systems limited



Unversal Packaging case study

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- Longspan Shelving
- Adjustable Shelving
- Mobile Shelving
- Cantilever Shelving
- Mezzanine Flooring
- Partitions
- Conveyors
- Trucks and Trolleys
- Lockers
- Benches
- General Industrial Products
- Safety Inspections
- Repairs
- Pallet racking
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Location: Leicester
Client: Universal Flexible Packaging Limited
Completed: March 2006



UFP is a family owned and run business based in Leicester and after only ten years in business have grown to be a leading supplier of flexible films, customised packaging, pouches and bags.

Their purpose built factory packs a wide range of foods including cereals and dried pulses, all types of confectionery from chocolate to boiled sweets and dried fruits and nuts.

All these different types of product arrive in their warehouse in bulk on pallets and leave on pallets packed in bags or boxes ready for the local shop or supermarket.

The situation WSL had when designing a Storage System to suit all these types of product was not only the numerous pallet sizes and weights, but the required separation of different goods too.

Any product with any form of NUT content, being from oil to nuts themselves have to be segregated from all other goods, to conform to strict Health & Safety requirements when nut products are being stored.

The manufacturers of chocolate are very fussy when it comes to storing it, they insist chocolate is to be stored in a MILD-Location especially during summer months, ie: not on a top location due to heat from the sun on the roof and not at ground level as the concrete slab retains heat during the warmer months.

The original brief was to basically fill their proposed new 18000sq ft warehouse with Drive-In Racking and Standard Adjustable Pallet Racking, but during the first few months of discussions we realised this was not going to give UFP the "Flexibility" they would require.

Products arrived not only in numerous product types but in various pallet numbers.

Some were delivered in quantities of ONE pallet, others Contain Loads and some in any quantity between these. Then, when ready for delivery, ONE pallet of bulk nuts may be individually packed into bags and stacked on to TWO pallets.



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Universal Packaging

UFP required a Racking System that gave the Total Flexibility and Drive-In was not going to do this. WSL decided a combination of both Standard Pallet Racking and various depths in PUSH BACK racking would achieve the requirement.

Standard Racking gave them SINGLE pallet storage by FIVE high x TWO wide per bay accessibility.

TWO deep, THREE deep and FIVE deep PUSH BACK racking gave them blocks of racking with FIVE pallets in the height x NINE pallets in the length, providing 45 individual picking faces per Block.

Together with the Standard APR this set up gave UFP almost every combination of Pallet access from one to several container loads of one product.

To overcome the segregation of NUTS, WSL designed a 10M high cage fixed around Two blocks of Push Back, one side solid the others mesh, with 3M high sliding double doors for Fork Truck access.

In this area and to make it stand out from the rest, ALL the racking and cage was painted Bright Red.

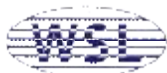
To complete the project and to provide protection to the front faces of the Push Back racks, WSL supplied 100mm x 100mm upturned steel angles fixed on the floor within the aisles, parallel to the front edges as BUMP RAILS for the MHE equipment.

WSL also designed the layout and supplied and fitted all Block Location signs and individual pallet location labels.

TOTAL PALLETS STORED = 1407 with 604 individual picking faces



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