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GARY WILLOUGHBY – WAREHOUSE MANAGER, MOSS PLASTICS

Moss Plastic Parts shelves its storage problems

The Customer

Moss Plastic Parts is a world leader in product protection and plastic components manufacturing. The Moss group is part of the Filtrona Protection and Finishing Products, a division of Bunzl Plc, a £2.7 billion turnover UK based multinational.

As part of an £11m, three year development programme to boost customer support levels and underpin the company's rapid sales growth throughout Europe, Moss Plastic Parts constructed a state of the art, 21,000m² warehouse and technical centre in Kidlington, Oxford. The warehouse holds the stock in a centralised location ready for immediate dispatch.

The Challenge

- 4,000 new product lines to be stored in the existing warehouse
- Needed to be handpicked from shelves
- Area allocated for new stock had unsuitable pallet storage equipment

Gary Willoughby, Warehouse Manager for Moss Plastics was tasked with selecting a storage partner to help make smarter use of the allocated section of the warehouse. He explained, "We needed a storage solution and we needed it quickly. The 4,000 new lines were available to our customers via our new catalogue and it was vital that supply to them was not interrupted."

The Solution

The contract was awarded to Apex Linvar for a solution that combines 160 bays of Linspace shelving with 2,880 Apex Euro containers on an extended mezzanine floor. A sample bay of shelving and plastic bins was sent to Moss Plastics at an early stage of the negotiations so that they could verify the ergonomics of the system.



Right:
Unique square section upright



"We chose Apex because we were confident they could complete the job within our tight deadline and their solution was the most economic in maximising our existing storage area," commented Gary Willoughby. He continued, "Safety, security and speed of response have been paramount throughout the design and development of this state-of-the-art warehouse and with Apex we found a partner who mirrors these qualities."

The complete project from order to handover of the finished job, including constructing the mezzanine floor extension, took just six weeks. The new storage facility has created over 3,600 storage locations in two metre high Linspace shelving with six adjustable loaded shelf levels, 1250mm wide and 600mm deep.

Each bay of Linspace contains 18 Euro containers. To maximise the storage space within the containers, 30% of them have a specially welded central divider to allow two different product lines to be stored separately in one container.

Left:
Mezzanine floor with Linspace shelving and APEX Euro containers



The Result

"The job was completed not only within our ambitious deadline, but also within budget," concluded Willoughby.

"Thanks to the new storage facility from Apex Linvar we are making smarter use of the space we have available and, as a consequence, we are providing an improved service to our broad customer base."

Linspace Shelving – The Best Small Parts Shelving System in the World

Linspace is an adjustable, boltless and braceless shelving system that is highly adaptable and immensely strong. It is suitable for either a simple bay or a complete integrated modular shelving system.

Unique Design

The unique square section upright is pierced in 50mm increments on all four sides. This design allows bays to be added in any direction – to either side, back and even vertically – with fine shelf adjustment to maximise cubic storage capacity.

Strength & Stability

The strong upright forms the backbone of the system, which works on a starter and extension bay basis. Stability comes from the spigotted base and top shelves. The inherent strength of the system eliminates the need for cross bracing and therefore Linspace is easily accessible from both sides. Linspace bays can be used either as a fully open construction or fitted with solid, mesh or louvre panel cladding.

Shelf Details

Shelves fit neatly into place against the uprights. They are supported by four metal clips, hidden within the depth of the shelf to give unrestricted access. Linbin trays and other box systems can be incorporated into Linspace shelving to efficiently accommodate small parts.



Linspace Shelving Specifications

Bay Height Options	1800, 2000, 2200 or 2400mm
Bay Depth Options	300, 400, 500, 600, 800 or 1000mm (or any combination of these)
Bay Width	1000mm & 1250mm
Finish	Blue RAL7035 and Light Grey RAL 7035 epoxy powder coated
Bay Load Capacities	ranging from 945 to 2500kg
Shelf Load Capacities	ranging from 135 to 270kg
Shelf Pitch	50mm

