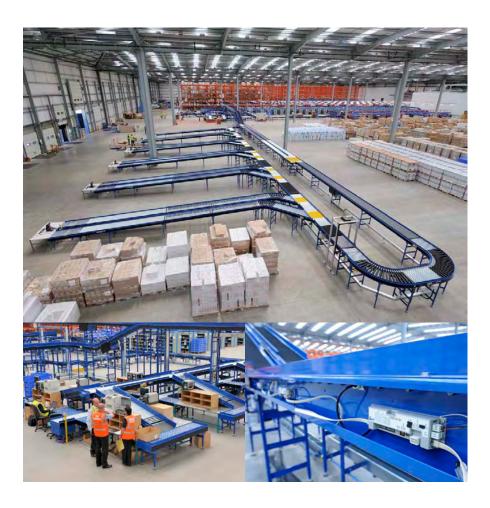


VOW distribution centre

OW Europe Ltd is one of the UK and Ireland's leading wholesalers of business and office supply products. Following the centralisation of their Sales and Service Centre VOW recently opened its third large-scale, hightech distribution centre in Normanton, England.

Leading 4th party integrator Logistex was selected by VOW to supply the integrated storage and materials handling systems. These included an extensive range of conveyor equipment manufactured by leading OEM Conveyor Units.

The system is built around a sophisticated one-kilometre carton conveyor powered by low-energy 24v motorised rollers from Itoh Denki. Totes and cartons are routed around a zoned system for picking before being checked and scanned and finally routed through a sorter at up to 2,850 items per hour.



Challenge

- Wide variety of carton sizes and weights
- Medium-to-high transport speeds
- High throughput, two-shift operation
- 🗸 Maximum noise @ 1m: 64dBA

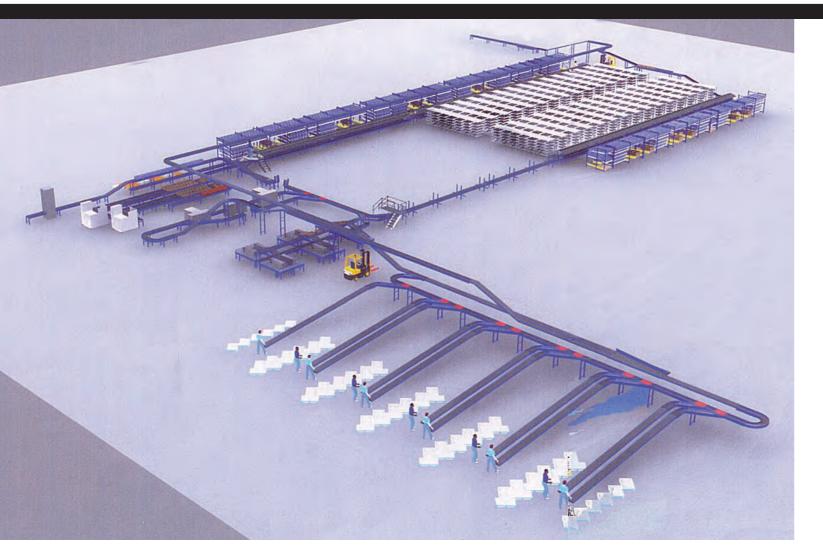
System

- 250 24v motorised rollers manufactured by Itoh Denki
- Zero Pressure Accumulating logic controls with built-in communication links
- Adjustable speed and transport configurations, up to 70m/min
- Smooth, low noise transport of goods on precision bearing rollers

Solution

- Energy efficient, run-on-demand low voltage motorised rollers
- Self-managing accumulation logic maintains product separation
- Dynamic product buffering, transfer and sortation
- Convenient and simple integration with PLC and WMS.





closely with Conveyor Units and specifications to meet the system slim as 50mm can be conveyed

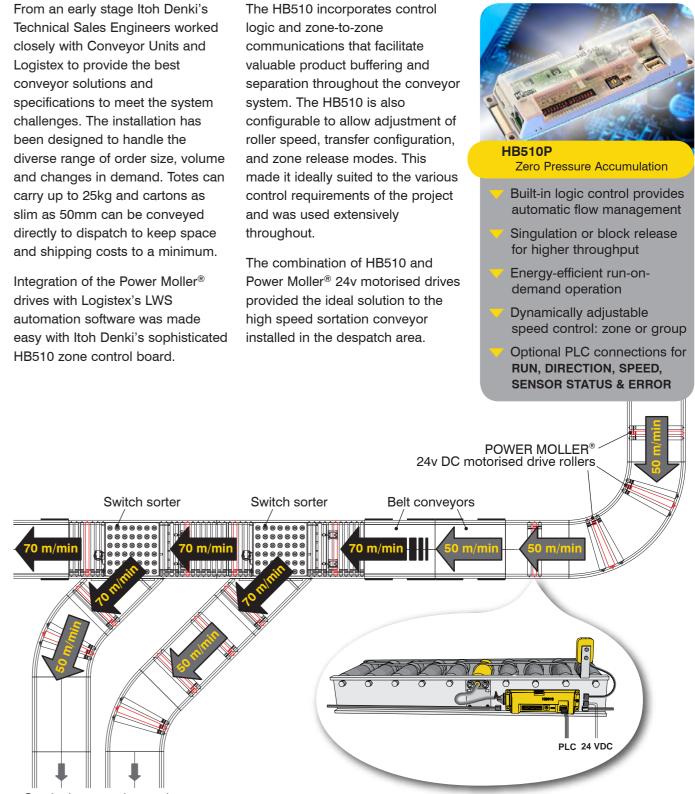
Logistex provided a full consultation and design service to assist VOW throughout the planning stage. The company used its Situational Analysis procedure and the client's historical data, resulting in a proposal to consolidate several warehouse operations into a single distribution centre in Normanton, South Yorkshire.

The solution features an extensive carton conveyor comprising of belt conveyor and 50mm diameter motorised roller conveyor. A full case-pick line operating at up to 2,000 containers per hour supplements the pick case function.



Each consignment is checked and scanned, then routed through a sorter at up to 2,850 items per hour. Logistex supplied its own LWS warehouse control software, designed to fully integrate with the client's Manhattan WMS.





Gravity lanes to despatch

Case study Logistics Distribution Centre