

Primark

Lutterworth UK

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TECHNICAL SPECIFICATION

SDI Greenstone supplied a turnkey solution for TNT/Primark including a Warehouse Control System (WCS) to interface with clients' WMS and to provide local control of the materials handling equipment, which includes:

- infeed pallet conveyors
- automated shuttle cars
- pallet live storage
- pick-to-belt carton take-away conveyors at each picking level within the 2 Pick Towers
- dynamic induction stations
- a high-speed tilt tray sorter
- despatch chutes
- outfeed telescopic booms
- 2 Pallet Picking Towers
- Peripheral Protection Systems - FLT barriers and maintenance access stairs

For both 'real time' overview and system diagnostics, SDIGreenstone also provided a SCADA Visualisation Package which monitors fault recovery around the plant in both buildings.

KEY HIGHLIGHTS:

- A special extra wide swivelling section was incorporated within the pallet roller take-away conveyors to provide maintenance access of VNA Order Pickers through to the engineering workshop, which is land locked by a 3-tier hanging garment mezzanine structure.
- Captive 'IN-HOUSE' 1000 x 1200 plastic pallets are used for handling un-wrapped, manually palletised goods.
- Purpose-built 90 degree powered roller bends are used to maintain high flow rate that could not be achieved using turntables due to centrifugal forces that would be unsuitable for unstable carton loads.



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