



EKOL®



EKOL
FASHION SORTING SOLUTION

CASE STUDY: EKOL

Fashion sorting solution

Ekol is a fast-growing Turkey based company offering supply chain solutions and integrated logistics to local and foreign customers in numerous sectors. They provide logistics services for a number of well-known fashion brands. After a comprehensive study, Ekol's management decided to automate the work flow in their fashion DC in Istanbul in order to be able to process higher volumes in a more efficient and cost-effective way. The full scope of the project included a split tray sorter and shipping sorter including software & controls and peripheral systems.

Oval split tray sorter

Clothing arrives in carton boxes at the two induction platforms (each with four operator positions) and is manually inducted in the trays of a twin tray oval split tray sorter (aka bomb bay sorter) with 210 drop stations. Twin trays make it possible to put two flat garments together in one tray and have the products dropped into two separate destinations. For larger garments both tray plates can be used. The barcode on the clothes is scanned by an automatic barcode reading system and the items are dropped into the corresponding carton. The sorter is engineered to allow cartons of different sizes underneath the sorter.

The cartons are provided by a carton erector that is able to handle different sizes of containers. Once the full lane sensors detect a full

carton, an operator pushes the carton onto the takeaway conveyor and puts an empty one in its place. The take-away conveyor passes the full cartons along a platform with six operator positions. If the carton has the correct size for a random top taper, the operator labels the carton with a barcode and pushes the carton onto a conveyor that leads it to the taper. If the carton is too big for the random top taper, the operator closes the carton manually. All closed cartons then go on to the shipping sorter.

Cross belt Sorter

Near the shipping sorter a barcode reading system identifies the destination for the carton. The sorter handles 3.000 cartons per hour and has 51 exits. In Turkey, Equinox MHE works closely together with Lodamaster, a partner company that provides logistical solutions for Turkish companies like Ekol.

The twin tray split tray sorter offers Ekol a capacity of 12,000 trays per hour. The maximum weight of the products is 5 kg, minimum is 0.02 kg. The largest item Ekol can induct in the twin trays is 55 x 39 x 10 cm, the smallest is 5,5 x 9 x 1 cm.



Equinox MHE

sales@equinoxmhe.com | +31 252 526 000 | www.equinoxmhe.com



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