

BOX SORTING

Danske Fragtmænd A/S, a Danish transport company, is owned by 85 local carriers from all over Denmark. Their 2,000 vehicles deliver approximately 40,000 consignments per day in Denmark, Sweden and Schleswig-Holstein. Having outgrown their previous freight terminal in 2009, Danske Fragtmænd A/S decided to move to a logistics centre in Århus, where they now have an area of 130,000 sqM and 48,000 sqM under one roof.

Previously, parcels were sorted manually to pallets, but manual sortation of goods traditionally constitutes an ergonomic problem due to physical strain and the high degree of manual handling.

In order to solve this ergonomic problem, reduce variable costs and attract new cargo customers, Danske Fragtmænd A/S chose to invest in the sorter system Boxsorter, supplied by Qubiqa.

BOXSORTER

The Boxsorter has been developed for the sorting of freight parcels to various destinations. The freight parcels are sorted as single parcels by means of a belt sorter and pop-up rollers with discharge to both sides. The discharge may have an individual design, but is as a standard a non-driven, declining roller conveyor.

Boxes are placed on an inlet roller conveyor, and the route number is entered manually via the operator's panel, or through a barcode reader. The boxes continue on the conveyor to a belt sorter with 12 double discharge points, 24 driven roller conveyors and 1 no-read conveyor. When handling articles with dimensions L600 mm and W600 mm, the system has a capacity of 2,000 boxes per hour.

AUTOMATIC MEASURING STATION

It may be advantageous to integrate automatic recording of weight, volume and barcode to ensure correct payment of freight – just as the operator avoids using time entering the route number manually.



Director Peter Sørensen says:

"After having handled the box sorting manually for years, we chose to invest in a sorter system from Qubiqa at our new freight terminal in Århus. Today we handle many more parcels much faster than before – and with a 15 % efficiency improvement. Some of the advantages of the sorter system are that it may be handled by only 1 person, and heavy lifting is avoided.

At the same time we have seen a 50 % reduction in damage occurrences – both measured in quantity and in cost.

We chose a floor-based system rather than an overhang system because we handle parcels in many sizes from a large number of companies, and not all parcels are fit for transportation down chutes. We are very pleased with our choice, and today we handle 50 % more parcels than before."

