# **VarioSort Single**

Electrical cross-belt sorter for large and heavy parcels



## The challenge

As parcel volumes grow, CEP service providers are needing reliable, low-maintenance and highperformance sorters that can handle a wide variety of goods and items. They are also tasked with including the right number of sorter modules in the available space and layout.

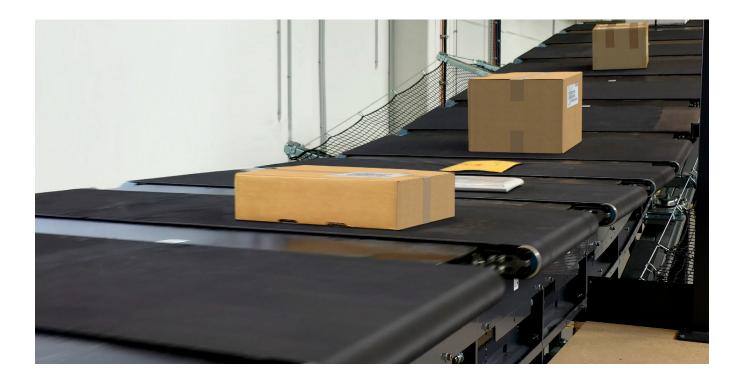
#### **Our solution**

Körber offers the robust and highly efficient VarioSort Single electrical cross-belt sorter. It has all the essential features needed to best fulfill ever-changing sorting requirements. The mechanical design utilizes numerous off-the-shelf components, employs a future-proof industrial-standard communication and control system, and can flexibly fit into various systems and layouts.

Additional benefits include short installation times as well as globally available after-sales parts and services. Active control of item position on the cell and the discharge trajectory parabola results in a higher sorting accuracy and the balanced loading of chutes. The sorter is also well-equipped to handle a wide range of objects.

### **Customer benefits**

- Flexible configuration variable in length, number of inductions, outlets, sensors, and transport speed
- High availability of up to 99.5% through robust technology and design
- Various chute concepts such as straight, buffer, spiral and material handling available
- High nominal throughput of 13,350 items per hour at 2.6 m/s
- Contactless and maintenance-free drive and power supply system



## **Technical data**

Nominal throughput	up to 13,350 items per hour
Noise level	<70 dB (A)
Carrier pitch	700 mm
Carrier width	1,400 mm
Transport speed	up to 2.6 m/s
Temperature range	0 °C - 40 °C
Relative humidity range	10% - 90% (without condensa- tion)

## **Parcel sizes**

Length	100 mm - 1,250 mm
Width	100 mm - 600 mm
Height	10 mm* - 600 mm
Weight	0.1 kg - 40 kg**

\* 5 mm with special sensor package

\*\* 60 kg with heavy duty package



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