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.

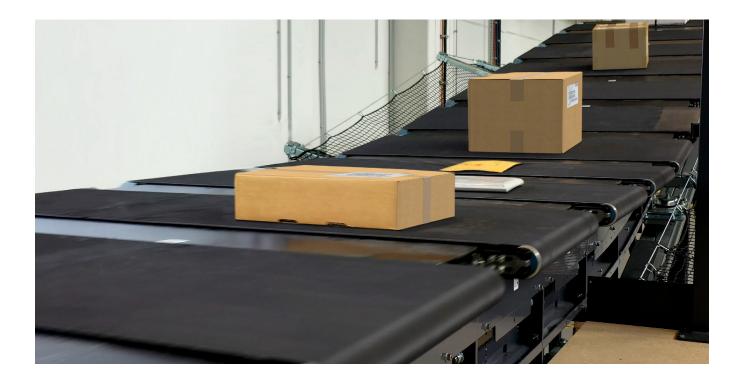
Our solution

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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