

VarioSort Parcel

Electrical cross-belt sorter for large and heavy parcels



The challenge

As parcel volumes grow, CEP service providers are needing reliable, low-maintenance and high-performance 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.

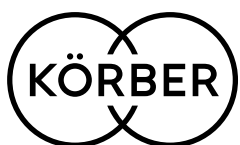
Our solution

Körber offers the robust and highly efficient VarioSort Parcel 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 (700 mm pitch)
- Contactless and maintenance-free drive and power supply system



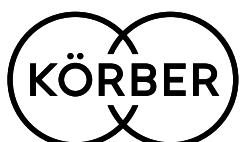


Technical data - metric

Nominal throughput	700 mm pitch: up to 13,350 items per hour 800mm pitch: up to 11,700 items per hour
Noise level	<70 dB (A)
Carrier pitch	throughput oriented: 700 mm spectrum oriented: 800 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 condensation)

Parcel spectrum

Length	100 mm - 1,400 mm
Width	100 mm - 800 mm
Height	3 mm - 800 mm
Weight	0.1 kg - 40 kg





Technical data - imperial

Nominal throughput	27.6 in pitch: up to 13,350 items per hour 31.5 in pitch: up to 11,700 items per hour
Noise level	<70 dB (A)
Carrier pitch	throughput oriented: 27.6 in spectrum oriented: 31.5 in
Carrier width	55.1 in
Transport speed	up to 8.5 ft/s
Temperature range	32 °F - 104 °F
Relative humidity range	10% - 90% (without condensation)

Parcel spectrum

Length	3.9 in - 55.1 in
Width	3.9 in - 31.5 in
Height	0.1 in - 31.5 in
Weight	0.2 lb - 88.2 lb

