

# 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 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 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

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- 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

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

## Parcel sizes

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

\* 5 mm with special sensor package

\*\* 60 kg with heavy duty package

