

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
- 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 condensation) |

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

