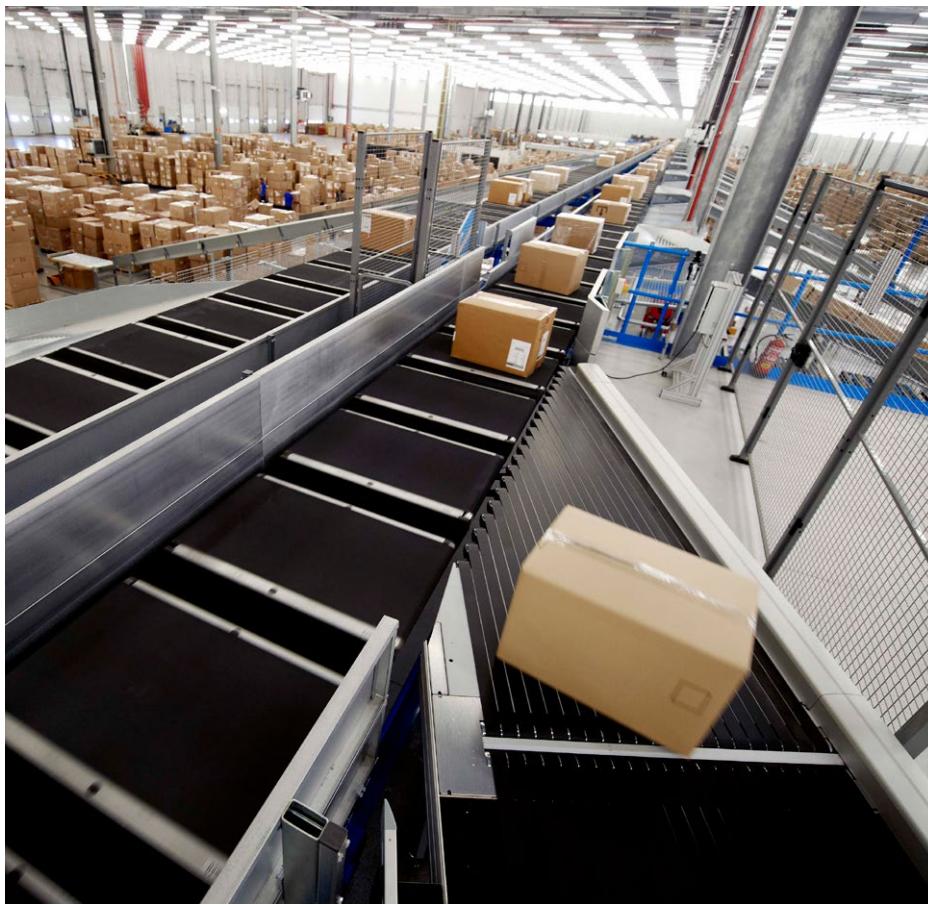


# BG SORTER CB FLEXIBILITY IN CROSS-BELT SORTING



The BG Sorter CB is a cross-belt loop sorter that combines high throughput with exceptional handling flexibility, making it the ideal solution for parcel and distribution centers handling a wide variety of items, from small, delicate parcels to large, high-friction or rolling goods, effectively covering everything from a smartphone case to a refrigerator.

#### HIGH LAYOUT FLEXIBILITY

The BG Sorter CB's modular platform allows seamless adaptation to any facility layout and sortation requirements.

Single- or double-belt configurations, uneven or even belt arrangements, and configurable inductions and destinations provide complete flexibility.

The sorter's compact footprint enhances layout flexibility, leaving ample room for additional handling equipment and unobstructed operational access.

#### RELIABILITY AND AVAILABILITY

With high availability for the sorter itself, the BG Sorter CB sets a new standard for dependable operations.

Built with steel tracks, long-life tested belts, and contactless drives with redundancy,

it ensures minimal maintenance, fewer replacement parts, and sustained high performance.

#### ENERGY EFFICIENCY AND SUSTAINABILITY

The sorter's linear synchronous drive system, low-friction bearings, and optimised cartwheel materials deliver industry-leading energy efficiency.

The system's adjustable-speed operation allows performance to be matched to demand, and it incorporates materials that can be recycled at end of life.

#### TOTAL VALUE OF OWNERSHIP

The BG Sorter CB lowers operational costs through minimal maintenance, reduced spare part requirements, predictive maintenance tools, and support for operational optimisation. Its durable, reliable

system design ensures a low lifecycle cost while maximising throughput.

#### BEUMER SOFTWARE SUITE

Intelligent item identification, precise material flow control, and comprehensive supervision ensure seamless integration and high-capacity operations.

Advanced analytics and dashboards provide real-time insights, enabling predictive maintenance and continuous monitoring and optimisation.

#### DEDICATED CUSTOMER SUPPORT

Advanced diagnostic support ensures the sortation system operates at peak availability and performance.

Continuous, data-driven monitoring of components, controls, and material flow enables early detection of irregularities



and proactive intervention before issues affect throughput. This results in reduced downtime, stable sortation performance, and consistently high system availability in demanding material handling operations.

Comprehensive lifecycle support protects your investment in the sortation system over its entire service life.

Supported by an expert network, we provide tailored training, spare parts management, and performance upgrades, ensuring the system remains aligned with evolving operational demands and the latest hardware, software, and automation standards.

BEUMER Group's flexible on-site support delivers fast, expert assistance directly at your installation.

From rapid fault resolution and preventive maintenance to dedicated on-site teams, experienced specialists and advanced analytics ensure reliable, long-term sortation system performance.

## SPECIFICATIONS

- Sorter speed: Up to 3 m/sec (590 ft/min) and configurable to optimise critical item handling
- Minimum item dimensions: 120 x 100 x 3 mm (4.7 x 3.9 x 0.12")
- Maximum item dimensions: 1524 x 1050 x 1050 mm (60 x 41 x 41")
- Minimum item weight: 100 g (0.22 lbs)
- Maximum item weight: 50 kg (110 lbs)
- Noise level: Conversational level (~62 dB(A))
- Modular concept based on standard steel frame
- Frame incline/decline: Up to 10° in straight and curve sections
- Drive system: Contactless Linear Synchronous Motor (LSM)

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