



BG SORTER ET HIGH CAPACITY TILT- TRAY SORTING



The BG Sorter ET is a tilt-tray loop sorter that delivers high throughput while maintaining precise handling. It is ideal for parcel and distribution centers that handle a wide variety of items, from small parcels to bulky goods, effectively covering everything from a smartphone case to a refrigerator. Its modular and flexible design ensures maximum operational efficiency and optimised system footprint without requiring additional floor space.

HIGH LAYOUT FLEXIBILITY

The BG Sorter ET's modular tilt-tray platform allows easy adaptation to any facility layout and sortation requirement.

Multiple system configurations and configurable induction and destination points provide full 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 ET sets a new standard for dependable operation.

Steel track frames, endurance-tested trays, contactless drives, and built-in redundancy ensure minimal maintenance, reduced replacement needs, and sustained high performance.

ENERGY EFFICIENCY AND SUSTAINABILITY

The tilt-tray sorter's contactless linear synchronous drive with permanent magnets, optimised cartwheel materials, and low-friction bearings 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 ET reduces operational costs through minimal maintenance, fewer spare parts, predictive maintenance tools, and operational optimisation support. Its robust design ensures low lifecycle cost while maximising throughput.

BEUMER SOFTWARE SUITE

Intelligent item identification, precise material flow control, and comprehensive supervision

enable seamless integration and high-capacity operation.

Advanced analytics and dashboards provide real-time insights for proactive maintenance and continuous 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 (HIGHLIGHTS):

- 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: 1000 x 1920 mm (39.4 x 75.6")
- 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: up to 12°; vertical level changes supported
- Drive system: Contactless Linear Synchronous Motor (LSM)

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