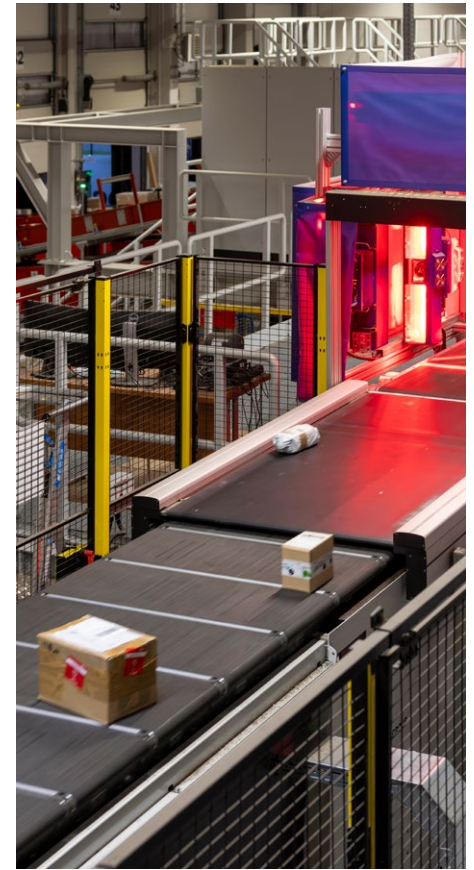




BG LINE SORTER **THE MODERN LINE** **SORTING SOLUTION**



The BG Line Sorter brings the versatility of cross-belt handling to a compact linear layout. Designed for parcel and item sortation, cross-docking and last-mile distribution, it can handle a broad mix of items and scale as the business grows.

LARGE ITEM HANDLING VERSATILITY

Today's logistics operations often need to handle a much wider mix of items without splitting them into separate flows. The BG Line Sorter processes parcels, totes, flats, polybags, sacks, fragile goods, high-friction products and irregular shapes on one platform.

Its cross-belt technology combines the compact footprint of a line sorter with handling capabilities normally associated with loop sorters. Operators can consolidate item flows, reduce manual handling and keep goods moving consistently through the distribution centre.

HIGH-CAPACITY SORTATION

No two operations have the same capacity needs. That is why the BG Line Sorter can be equipped with different induction concepts, allowing each system to be configured around the required throughput and workflow. Options include manual feed,

conventional conveyor induction, high-capacity merge solutions and side induction. Together with adjustable speeds, multiple-carrier handling and chute designs that can support secondary sorting, these options cover everything from smaller automation projects to high-volume operations.

AVAILABILITY THROUGH RELIABLE DESIGN

Reliable availability is crucial when service levels and operating costs are on the line. At the heart of the BG Line Sorter is a contactless Linear Synchronous Motor (LSM) drive, which limits mechanical wear and keeps maintenance requirements low.

Proven carrier designs, durable cross-belt technology and robust steel construction help the sorter achieve operational sturdiness and availability of up to 99.8%. Adjustable discharge profiles also help maintain a stable flow and make better use of chute capacity.

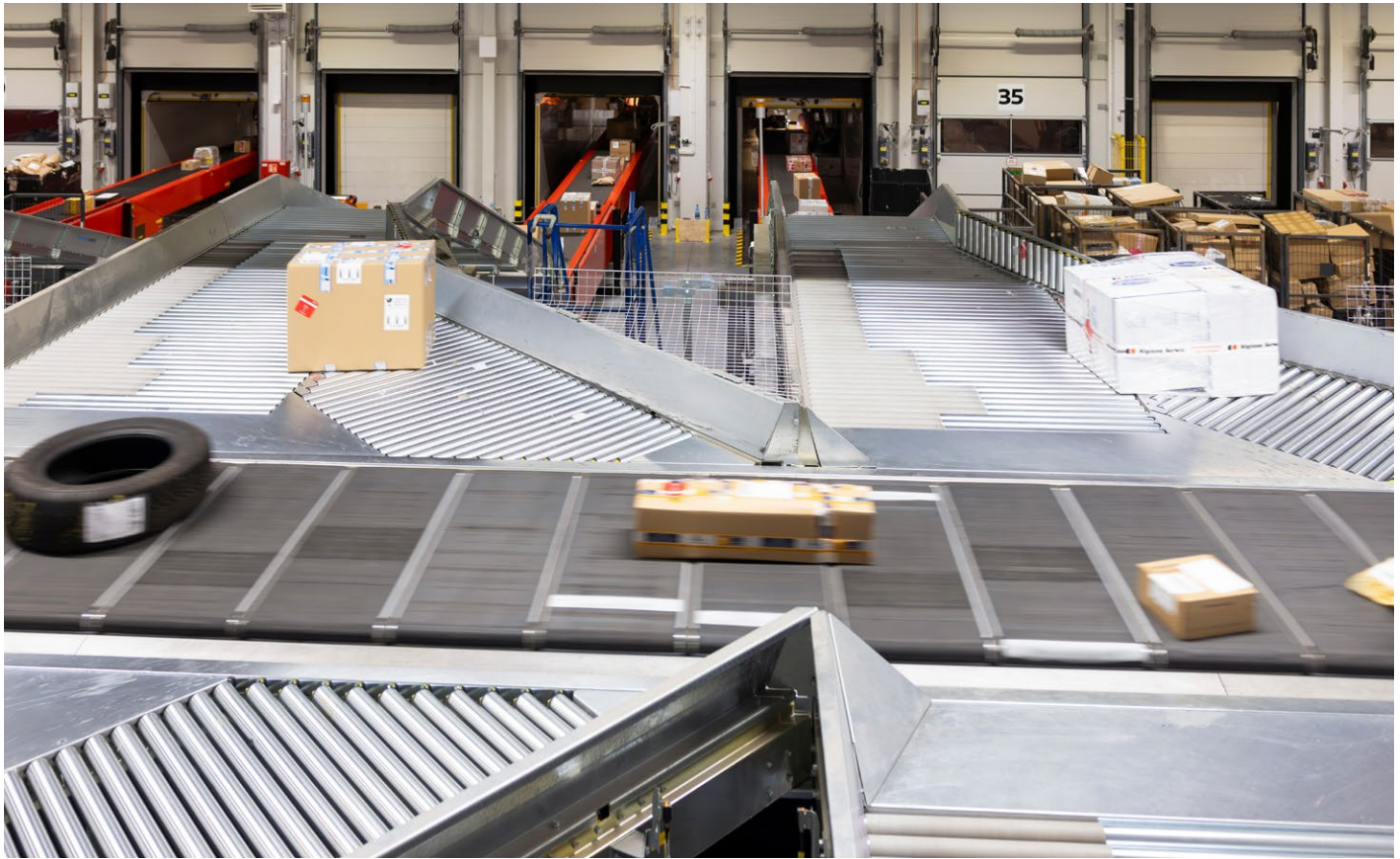
MODULAR DESIGN FOR FUTURE GROWTH

A sorting system needs to meet today's requirements without limiting tomorrow's plans. The BG Line Sorter uses a modular architecture, so it can be configured around the available space, target throughput and operational workflow.

Standard modules make it possible to adapt the system length, while recirculation lines, mezzanine installations, different induction concepts and a choice of chute designs provide further flexibility. Capacity can therefore be expanded as demand grows, without replacing the original system.

SUSTAINABLE AND EFFICIENT OPERATION

The BG Line Sorter is designed to use energy and materials efficiently throughout its working life. Its contactless drive, low-friction components and variable-speed operation allow power use to follow actual operational demand.



Long-lasting components mean fewer replacements and more responsible use of resources. At the end of the equipment's service life, recyclable system materials also support circularity objectives.

OPERATIONAL INSIGHTS AND CONTROL

Integrated controls and live system data give operators a clear view of condition and performance. Combined with system-specific maintenance procedures and documentation, this information makes it easier to plan condition-based maintenance, document business relevant KPIs, allocate resources and identify issues early.

With this visibility, teams can plan interventions, fine-tune system use and improve end-of-line processes. The result is a lower risk of unplanned disruption, less operational impact when issues occur and better control of long-term ownership costs.

TOTAL VALUE OF OWNERSHIP

The BG Line Sorter is designed for efficient implementation, enabling facilities to transition into operation quickly.

Throughout its service life, the system's robust design and straightforward maintenance requirements help reduce downtime, service effort and spare-parts consumption and its scalable design allows capacity and functionality to be expanded as operational requirements evolve.

Combined with support for predictive maintenance, the BG Line Sorter helps logistics operators protect their investment and adapt their sortation capabilities as their business grows and changes.

TECHNICAL SPECIFICATIONS

- › Capacity: 1,500-18,000 items/hour
- › Sorter speed: up to 2.5 m/s (492 ft/min)
- › Minimum sorter length: 20 m (66 ft)
- › Maximum sorter length: 180 m (591 ft)
- › Item dimensions*: 140 × 90 × 10 mm up to 1500 × 800 × 800 mm (5.5 × 3.5 × 0.39 in up to 59 × 32 × 32 in)
- › Item weight range: 0.1 kg (0.22 lb) to 50 kg (110 lb) depending on configuration
- › Noise level: 68 dB(A)
- › Drive technology: Linear Synchronous Motor (LSM)
- › Integrated scanning, weighing, and dimensioning available
- › Legal-for-trade volumetric measurement available
- › Standard sortation software and SCADA included

*The BG Line Sorter can accommodate smaller and larger item dimensions than those stated, subject to item properties and system configuration.

BEUMER Group GmbH & Co. KG

P.O. Box 1254 · 59267 Beckum, Germany

Phone +49 (0) 25 21 - 24 0

Fax +49 (0) 25 21 - 24 280

E-mail info@beumer.com

www.beumer.com

BEUMER Group reserves the right to make
modifications that serve technical progress.