



BG LINE SORTER **NEXT-GENERATION** **LINE SORTING**

BG LINE SORTER

SORTING SMALLER UNITS IN THE MEDIUM PERFORMANCE RANGE



Get the best of both worlds: Our BG Line Sorter combines the simplicity of a line sorter with the exceptional handling capabilities of a high-speed cross-belt sorter in one system. The unique BEUMER Group slat-belt technology expands the range of items that can be sorted. Setting new standards in the medium performance range.

MODULAR STRUCTURE INCREASES FLEXIBILITY

BG Line Sorters replaced the discharge mechanism from conventional line sorters with the cross-belt discharge technology, used in high-speed loop sorters by BEUMER Group. This innovation enables the BG Line Sorter to extend the handling mix and to sort items ranging from the smallest polybags to bigger packages, even with fragile contents.

By closing the gaps in the handling capabilities of conventional line sorters, material handling companies can reduce the percentage of non-conveyable items to achieve a lower handling cost per item and contribute to higher profitability, a threefold benefit.

MODULAR DESIGN: SPACE-EFFICIENCY AND SCALABILITY

With its standardised modules, the BG Line Sorter extends flexibility into the system design and possible future extensions.

The modular system's adaptability lets you make optimal use of the footprint available for the sorter. Any retrofitting or modernisation is possible during the entire service life with only minimal downtime. This also allows the sorter to be expanded, re-positioned or moved to a new building, and provides the scalability to respond to future business growth. Each standard unit is pre-assembled with the mechanical and electrical components, IT and controls and then fully tested and certified in-house prior to installation. This provides plug-and-play operation, with very few connection points per unit, for faster installation and commissioning.



PROVEN TECHNOLOGY AND ROBUST EFFICIENCY

Our BG Line Sorter reaches the conveying capacity of a cross-belt sorter thanks to the new active slat belt technology in combination with a linear synchronous motor (LSM), ensuring reliable, precise and careful handling of the items.

The slat-belt units are manufactured with a standard pitch. They have been tried, tested and proven in our systems worldwide, sorting billions of items each year.

ULTRA-LOW WEAR AND TEAR

The LSM drives also enable the BG Line Sorter to set an ultra-low benchmark for product life-cycle costs.

With no contact between the stationary and moving parts of the drive, the LSM provides ultra-low wear and tear, which results in lower maintenance levels, energy consumption and costs and contributes to higher levels of reliability and system availability. The combination of extended component lifetimes and a minimum number of parts helps to reduce the spares inventory. As there is no contact between stationary and moving parts of the drive, the BG Line Sorter also achieves ultra-low levels of acoustic noise to ensure a safer and more comfortable working environment for staff.

HIGHLIGHTS

- › Reliable and precise sortation for the widest mix of item shapes and sizes
- › Maximum item weight per belt: 25 kg
- › Broad range of items: lengths up to 1,500 mm, widths up to 800 mm
- › Modular design perfect for expanding the sorter and optimal use of space
- › Contactless drive with linear synchronous motor
- › Controls: SIMATIC S7-1500
- › Low-wear parts and low maintenance

BEUMER Group GmbH & Co. KG
P.O. Box 1254 · 59267 Beckum, Germany
Tel. +49 (0) 25 21 - 24 0
Fax +49 (0) 25 21 - 24 280
E-Mail info@beumer.com

www.beumer.com

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