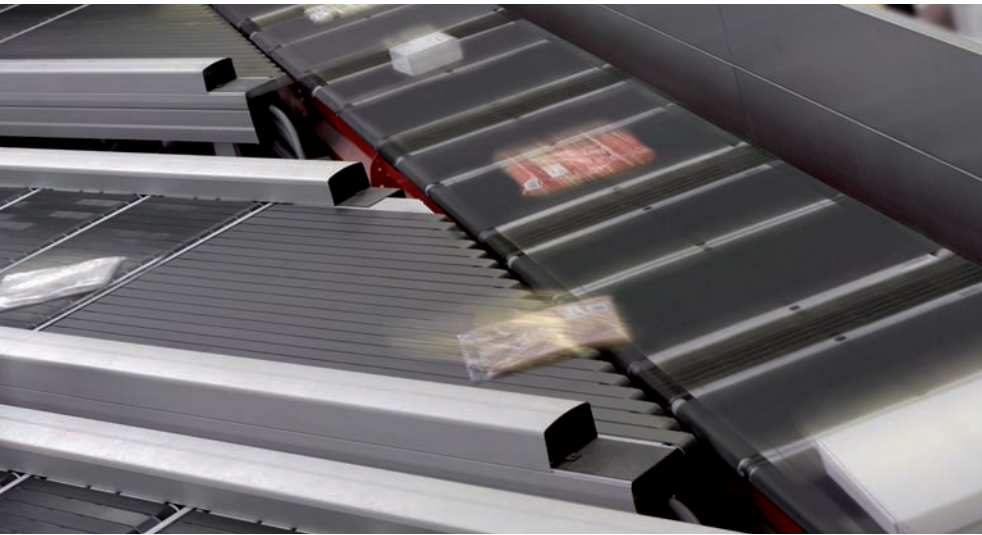


LS-4000CB

Cross-Belt Sorter



The LS-4000CB Cross-Belt high speed loop sorters from Crisplant feature the highest layout flexibility with reduced installation and commissioning time. The new sorter technology delivers real environmental benefits with reduced carbon dioxide emissions and increased energy efficiency to provide the lowest product life cycle cost (PLCC).

The system is designed to transport and sort items that present difficulties during traditional sortation, such as fragile and high-friction items. The gentle belt sorting allows for the horizontal discharge of items to ensure precise position and orientation throughout the entire sortation process.

Equipped with an energy-efficient linear synchronous motor (LSM), the LS-4000CB reduces the overall PLCC substantially without sacrificing speed, capacity, and reliability. The high-speed LSM eliminates contact between moving parts, leading to low wear-and-tear and low noise levels.

The LS-4000CB is based on a new common platform, enhancing the flexibility of the total system including optimised conditions for integration into an existing environment, up to 10° incline/decline of sorter for access to other floor levels, and more usage of floor space for storage of containers, mail bags, trucks etc.

The sorters have a reduced number of components, which have all been tested at the factory to reduce the installation and commissioning time. In addition, the sorters come with a large complementary programme of inductions, chutes and controls.

Crisplant is the industry leader in high-speed, high-throughput sortation, catering to all types of distribution requirements. The LS-4000 technology is the clear choice for a broad spectrum of applications including distribution, postal, freight and parcel delivery and manufacturing.

FEATURES >>

- High capacity sortation of fragile and high-friction items
- Modular platform for flexible layout
- State-of-the-art energy system
- Optimised induction system

BENEFITS >>

- New Linear Synchronous Motor (LSM) improves electrical efficiency
- Improved product life cycle cost (PLCC)
- Precise positioning and orientation throughout the entire sortation process
- Optimised conditions for integration into an existing environment



Specifications

Modular concept based on standard elements.

Drive system: Linear Synchronous Motor (LSM).

Sorter velocity: Up to 3 m/sec (590 ft/min).

Noise level: 62 dB(A).

Maximum item width: Up to 800 mm (32") in certain applications.

Maximum item length: 1400 mm (55").

Maximum item weight: 30 kg (66 lbs) for single belt item. Up to 50 kg (110 lbs) in certain applications.

Cart pitch 1-belt item: From 600 mm (24").

Cart pitch 2-belt item: From 900 mm (36").

Maximum frame incline/decline: Up to 10° in both straight and curve sections, optional tray design can allow for slight increase.

Temperature range: 0 °C (32 °F) to +45 °C (113 °F); extended range possible with the addition of special heating and/or cooling elements.

All measurements are approximate.

