GEBHARDT SpeedSorter® line

Sorting in the Smallest of Spaces

VERTICAL EFFICIENCY IN SORTING

Dynamics and immediacy perfectly describe the demands on your logistics centres. Once ordered, goods should reach your customers as quickly as possible, making delivery times a decisive competitive factor for you. Flexible and scalable warehousing and logistics systems are critical in meeting the ever faster and more dynamic market.

SPACE-SAVING AND MAINTENANCE-FRIENDLY SORTING SOLUTION

Whether goods receipt, order picking or dispatch, with the GEBHARDT SpeedSorter® line, you can rely on a space-saving sorting solution that achieves maximum performance. The vertical design and the variable number of destinations on both sides offer the greatest possible flexibility in the smallest space.

The SpeedSorter® line is a reliable, space-saving sorting solution that achieves maximum performance. Whether containers, cartons, parcels, packages, or poly and paper bags, the system sorts goods weighing up to 35 kg efficiently, reliably, and cost-effectively. Through the simple adaptability in the number and type of infeeds and destinations, low operating and maintenance costs, and the space-saving implementation, we offer you the answer to the globally increasing parcel volume and the same-day delivery expectations of your customers

You can expect to increase your operational efficiency at low investment costs with the SpeedSorter® line.

Thanks to its modular design, the SpeedSorter® line is extremely flexible. For example, the type, number of infeeds and destinations, and even the carrier can be perfectly adapted to your needs. This modularity allows you to design the layout easily, make subsequent modifications, and thus easily adapt and scale to new framework conditions.

While the Toploader [A] is the most common infeed that offers the highest throughput, manual, semi-automatic, and fully automatic infeeds [B] allow for specificity in your design. The infeed capacity varies as follows:

- Toploader: max. 12,000 items/h
- Manual infeed: approx. 1000 items/h
- Semi-automatic infeed: approx. 1,500 items/h
- Fully automatic infeed: approx. 2,500 items/h
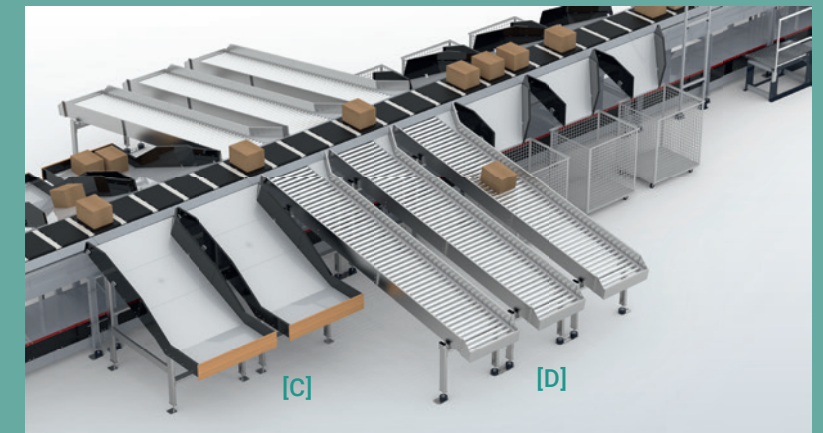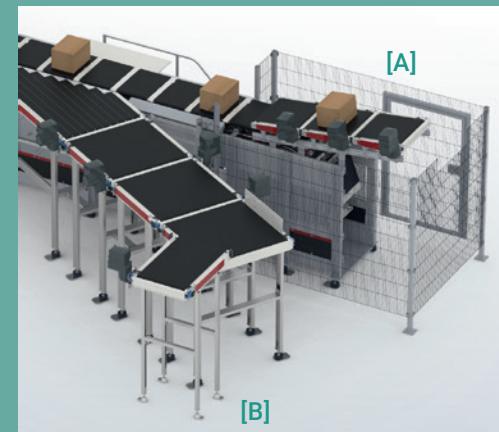
You also have complete freedom in design concerning the destinations: short or long chutes [C], chutes with a brake belt, gravity roller conveyors [D], a chute on a telescopic belt conveyor.

We will be happy to advise you on which option is best for you.

ONE SOLUTION – MANY ADVANTAGES

- Optimum use of space
- Flexibly expandable at the infeeds, destinations, and carriers
- Plug-and-play for easy commissioning
- Precise infeed process through top loading
- Direct access to all destinations
- Robust mechanical construction
- Low noise emissions
- High availability
- Low operating and maintenance costs
- Galileo IoT®-Ready

Weight of conveyed
goods up to

35 kg

Transport speed

1,8 m/s

With integrated
controls concept

**PROFINET
& EtherCAT**

Throughput of conveyed
goods per hour

14,000

Max. width of conveyed
material

600 mm

THE RIGHT SOLUTION FOR EVERY SCENARIO

The importance of sorting technology is constantly increasing. The right system selection plays a significant role in achieving the best sorting performance and quality. Every sorting error leads to disruptions in the logistical process chain and thus to a reduction in the service level. There are various scenarios in intralogistics where sorting is required:

- Incoming and outgoing goods
- Picking area

Particularly in the fashion and e-commerce sectors, ever higher sorting capacities are required, which must be operated cost-effectively and implemented in the tightest of spaces. The SpeedSorter® line can be used in the outgoing goods area with manual direct loading of the parcels onto belt conveyors. Feeding of the Toploader enables errorfree and efficient sorting compilation or packing station allocation.

Employees manually load the picked parcels, packs, polybags and paper bags directly onto the belt conveyor at the packing workstations. This transports the parcels to the Toploader, where they are conveyed to the sorter and scanned. The scanned barcode diverts the conveyed goods to the destinations. The destination can be defined by various parameters, for example, the postcode or the CEP service provider.

STRONG TECHNOLOGY – HIGH THROUGHPUT

The modular design and customised layout of the sorter allows the areas of incoming goods, warehouse, order picking and dispatch to be easily linked in one logistics system. The SpeedSorter® line sorts up to 14,000 conveyed goods per hour at a speed of up to 1,8 m/s. Whether you need to sort parcels, poly- and paper bags, or cartons and containers, the SpeedSorter® line reliably and efficiently sorts everything from 150 x 80 x 10 to 600 x 600 x 500 mm and a weight of 0.1 to 35 kg. It distributes longer unit loads up to 1,200 mm by using two carriers (double tray).
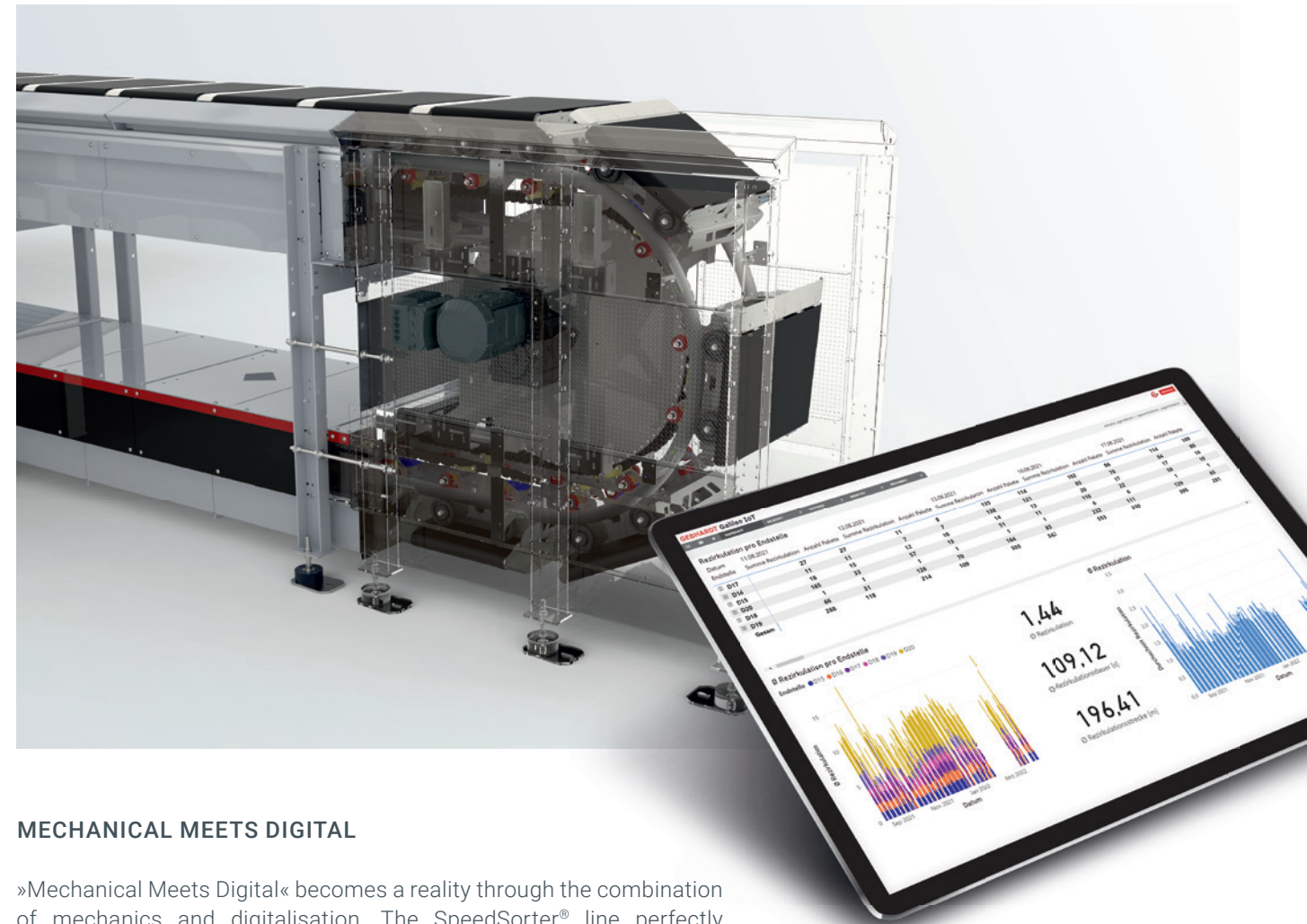
MECHANICAL MEETS DIGITAL

»Mechanical Meets Digital« becomes a reality through the combination of mechanics and digitalisation. The SpeedSorter® line perfectly combines the robust and mechanical drive and the purely mechanical ejection principle with digital functions. It records all the data contained in the sorting process and uses this to increase productivity and continuously monitor the system.

The visual status display continually shows a health check of all central components. In conjunction with the GEBHARDT Galileo IoT® platform, the system displays the data in detail and monitors the system status. Through intelligent algorithms and the analysis of various operating parameters, the software can predict the failure time of individual sorter components and predictive maintenance is possible. Downtimes are reduced, the system's performance is increased, and process reliability is permanently guaranteed.

NEXT GENERATION INTRALOGISTICS

Already in its third generation, the name GEBHARDT is closely associated with innovative intralogistics solutions. The company has always developed, manufactured and installed individual products as well as complete turnkey solutions. The portfolio includes storage systems, conveyor systems, sorting and order picking systems as well as goods lifts, automated guided vehicles and software applications.

The complete range of solutions, intelligent software and life-cycle services enables the most reliable and efficient automation technology for retail & e-commerce, food & beverages, automotive, healthcare, contract logistics, fashion & consumer goods and industry.