



GEBHARDT SpeedSorter® loop

Always Well Sorted



FOR GREATER EFFICIENCY IN THE WAREHOUSE

The logistics sector, and with it intralogistics, is experiencing enormous growth. And there is no end in sight. Only with a highly automated and flexible intralogistics solution can you continue to meet your customers' same-day delivery expectations and keep up with the competition. Dynamism, efficiency, flexibility and scalability are in high demand. With our high-performance sortation system, we offer you just that. Especially in the warehouse pre-zone, processes can be made more efficient. Typical bottlenecks from the picking stations to the warehouse are eliminated. As the heart of your intralogistics, the GEBHARDT SpeedSorter® loop realises high throughput rates with maximum modularity, resulting in reliable and efficient order processing.

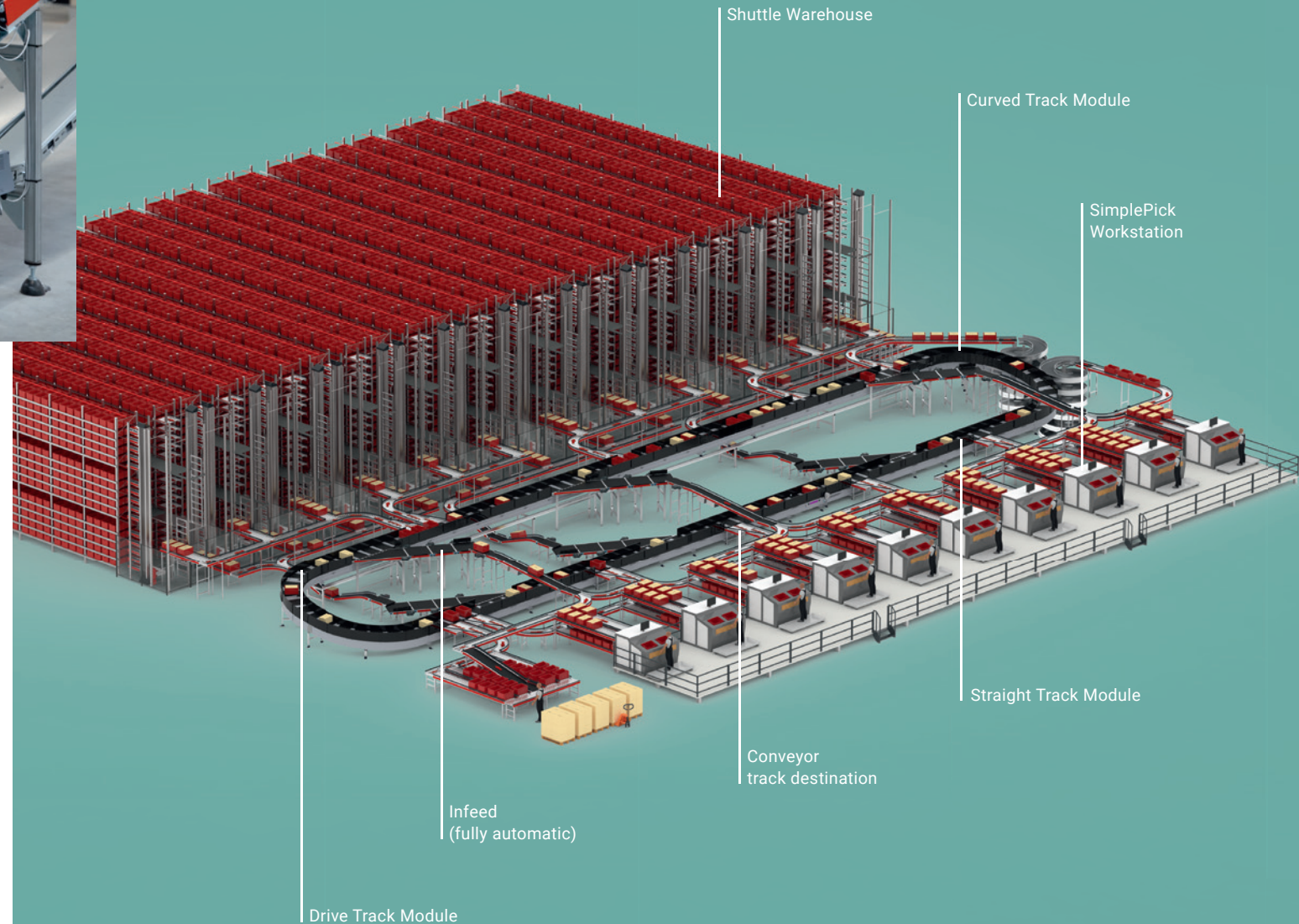


The SpeedSorter® loop was specifically designed to sort a wide range of goods. Its modular design guarantees a quick installation, easy expandability, and a simple, configurable layout – perfect for your individual requirements. The sky is the limit, regardless of how many destinations, infeeds, potential inclines or declines!

MODULAR DESIGN FOR MAXIMUM FLEXIBILITY

The SpeedSorter® loop is characterised by its flexible, modular design and system that can be expanded and combined as required. The high modularity enables simple layout design and at the same time scalability of the system. If your requirements for an existing sorting system change, we can quickly and easily adapt the sorter to the new conditions.

Developed according to the maxim »Mechanical Meets Digital«, the GEBHARDT SpeedSorter® loop combines the best of both worlds. The robust and mechanical drive and the purely mechanical ejection principle are supplemented by digital functions to ensure high system availability and significantly reduce maintenance effort.



KEY ADVANTAGES

- High availability
- Integrated control concept with PROFINET and EtherCAT
- Innovative & automatic chain system – no manual re-tensioning is required
- Flexibly expandable at infeeds, destinations, and carriers
- Plug-and-play for easy commissioning
- Robust mechanical construction
- Low noise emission
- Low operating and maintenance costs
- Galileo IoT®-Ready

Max. width of the conveyed material

600 mm

Max. sorting speed

2 m/s

Double tray with a length of up to

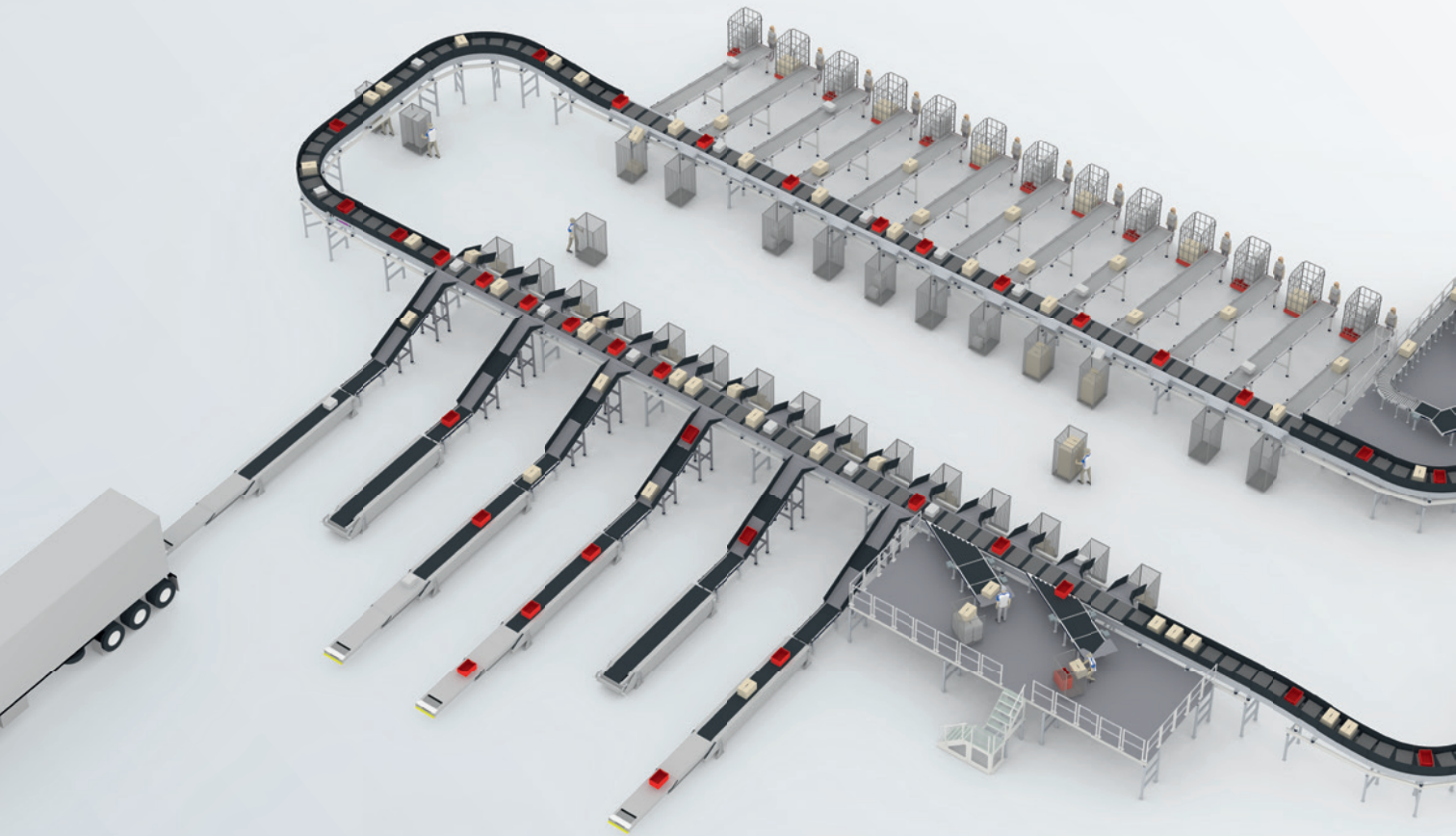
1,200 mm

Carrier throughput per hour max.

16,000

Weight of conveyed material

0.1-35 kg



CROSSBELT SORTING FOR A WIDE PRODUCT RANGE

The SpeedSorter® loop, developed according to the crossbelt sorter principle, in combination with other system components, enables a continuous material flow concept from a single source. Linking different process steps through several parallel conveyor lines is no longer necessary. By implementing the sorter in your facility, you achieve enormous economic advantages since both the internal material flow is optimised and the available space is used effectively.

With a speed of up to 2 m/s, the GEBHARDT SpeedSorter® loop sorts a wide range of products. Clothing, packages, multimedia products, and even packaged food are no problem. No matter if containers, parcels, poly- and paper bags, the sorter sorts everything with dimensions from 150 x 80 x 10 to 600 x 600 x 500 mm and weight from 0.1 to 35 kg. Even longer unit loads up to 1,200 mm can be moved by using two carriers (double tray).



ALWAYS THE RIGHT SOLUTION – GEBHARDT FOR FLACONI

Booming online trade and e-commerce are driving up the volume of packages worldwide. The sorting process is increasingly becoming a central component of intralogistics, not only for logistics providers and CEP service providers. The goods to be sorted are heterogeneous in terms of dimensions and weight and therefore place unique demands on the sorting system.

The sorting process also plays a central role in the warehouse of the online beauty supplier flaconi. With the GEBHARDT SpeedSorter® loop, flaconi can sort according to CEP service providers without additional effort and with maximum throughput. The SpeedSorter® loop, with an overall length of 136 m, enables a continuous material flow concept combined with the various system components of goods receipt, warehouse, order picking, and dispatch.



At a speed of 1.9 m/s, the GEBHARDT SpeedSorter® loop sorts 11,150 packages of various products per hour. Packages, poly- and paper bags of different shapes and dimensions from 150 x 80 x 10 to 600 x 600 x 500 mm and a weight of up to 35 kg are transported. Larger parcels are transported by occupying two carriers. The installed camera system recognises from the barcode at which of the seven destinations the parcel must be discharged. Six of the seven destinations are assigned to a specific CEP service provider. At the destination, an employee receives the parcels and loads them onto a swap body or directly into a truck. The seventh and last terminal is a "not OK" destination. Here, consignments that could not be recognised due to faulty barcodes, for example, are removed and processed.

With the SpeedSorter® loop, flaconi is optimally prepared for future growth. The system already takes into account the expansion of five fully automatic infeeds as well as five packaging lines with corresponding workstations.



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.



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