



Sortation is the heart of the distribution operation. Never before has it been so simple and cost-effective. Secure your investment with a high-capacity shoe sorter offered by the world's leading innovator and automation supplier.

The challenge

High-performance linear sorters available up to now have a reputation for being noisy, maintenance-intensive mechanisms.

Our solution

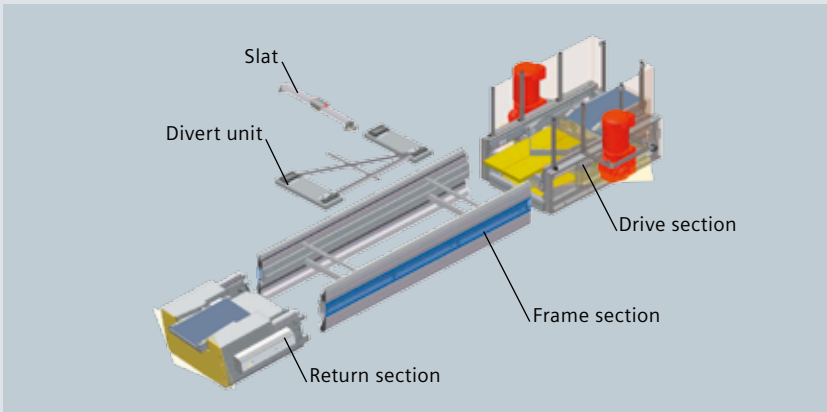
That's why Siemens offers a shoe sorter which is fast, quiet, reliable and competitively priced. The SHC50 shoe sorter can sort a wide variety of products while achieving a high throughput rate. It provides the user with all the essential features necessary to fulfill sortation requirements. The sorter design draws upon over ten years of in-depth application engineering experience and features a straightforward mechanical design, utilization of numerous off-the-shelf components, a future-proof industrial standard communication and control system, and flexibility to fit variable system designs. The Siemens shoe sorter offers additional benefits such as short lead and installation times as well as globally available after-sales parts and services. The SHC50 offers a choice for a sustainable investment backed by a top 50 company.

Siemens shoe sorter Variosort SHC50 features

- **High performance** – velocity up to 590 ft/min, a 4" shoe pitch
- **Low noise level** – less than 70 dB(A)
- **Wide product range** – "combing" feature between shoe and slat, slightly rounded upper slat surface
- **Smooth product handling** – improved shoe and slat design
- **Robust design** – no oiler needed due to side guide wheels
- **Flexibility and modularity** – use of standardized mechanical, electrical and software modules, sorting angles of 20, 25 and 30 degrees
- **Serviceability** – simple mechanical design, built for ease of maintenance

Top Speed but Low Noise – Shoe Sorter Variosort SHC50

Highest throughput for a wide variety of products



High throughput and low noise

A slat pitch of only four inches, a smart pin, and a patented switch design, as well as a velocity of up to 590 ft/min allow for the highest throughput in the industry. The skillful sound-deadening design including a careful selection of special synthetic materials produces a whisper-quiet sorter.

Smooth handling

Small gaps between the infeed, sorter, and outfeed belt, along with slightly convex slats provide for gentle transitions. This sorter features a comb-shaped interface design between shoe and slat, thereby greatly decreasing the possibility of a jam.

Robust mechanical design

Composite frame sections built from steel and aluminum combine the benefits of both materials, providing for a material saving 20 foot support spacing. Splitting the functions of the shoe in several parts allows the sorter to take advantage of different material properties, such as high wear and fatigue resistance, energy absorption and noise reduction.

Flexibility and modularity

The choice between divert angles of 20°, 25° and 30° and four different widths offers design flexibility. It is easy to add diverts or to change their position. Divert spacing can be adjusted in fractions of an inch, making it easy to adapt to building constraints. Extensions can be implemented with minimum operational interference due to the modular structure of the sorter.

Open control system

The SHC50 shoe sorter offers an industry standard control with scalable system architecture and high-performance engineering tools.

Low service costs

The sorter's simple mechanical components do not require special tools or in-depth technical skills for maintenance. Easy access to the inner components such as switches is given from above at every position by demounting some slats. The SHC50 was designed for minimal wear and tear by matching the optimal materials and shapes for slat and sliding shoe. No oiler required!

Technical data

Dimensions

Slat pitch	4"
Sorter frame width	39" – 63"
Sorter length	up to 650 ft

Velocity

up to 590 ft/min

Noise (at 3 ft from sorter)

≤ 70 dB(A)	at 200 ft/min
≤ 76 dB(A)	at 400 ft/min

Product spectrum

Length	4 – 80"
Width	2 – 39"
Height	0.4 – 32"
Weight	0.1 – 110 lbs

The information provided in this brochure contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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