

SSI ORDER VERIFIER



FULLY AUTOMATIC CHECKS AND DOCUMENTATION OF ORDERS HAS BECOME A REALITY

Always be a step ahead. Use the SSI Order Verifier to automate the verification of picked orders, a process which has so far been time consuming and expensive.

The SSI Order Verifier of SSI SCHÄFER is the first product worldwide to fully automatically verify and document customer orders. The products of an order are identified, counted, verified and documented – all in one step. The patented technology used for this purpose improves the quality level of order picking to Six Sigma. More than that: By using the SSI Order Verifier you easily meet track and trace requirements and are provided with a solid basis for creating an extensive shipping documentation and proving the origin of the shipped goods (pedigree law).

So the new system does not only provide pharmaceutical wholesalers with an effective instrument to meet increasingly stringent requirements, but also scores highly in quality assurance for almost any industry. With a throughput of up to 6,000 items/h and the possibility of simultaneous photographic documentation, this is the most efficient fully automated order verification solution. There are up to 95 % cost benefits of using this system, compared to manual and semi automatic solutions.



BENEFITS

- ▶ Fulfillment of track and trace requirements
- ▶ Helps to achieve Six Sigma quality
- ▶ Shipping checks, product identification and photographic documentation in a single step
- ▶ Fully automated verification process
- ▶ Individual solutions through modular variety
- ▶ Easy integration into existing systems
- ▶ Extremely high shipping quality and high performance with an excellent return on investment (ROI < 2 years)
- ▶ Minimal warehouse footprint



Product identification and photographic documentation

KEY FACTS

FUNCTION

The SSI Order Verifier can be operated in manual or automatic mode. In a first step, the incoming order totes are unloaded onto the conveyor. The articles from the totes are then separated using an innovative system of conveyors. At the adjacent reading station the individual articles are scanned and documented. Depending on the requirements of the client, the system recognizes 1D bar codes and/or 2D data matrix codes, as well as RFID tags. Finally, the articles are brought together again according to the orders.

DESIGN OPTIONS

In order to fully meet customer requirements, product counting, assignment of the order in the higher-level warehouse management system WMS and photographic shipping documentation are offered as an option.

Furthermore, product separation and the reading station are individually tailored to the order structure.

TECHNICAL DATA

- ▶ Automatic identification and documentation
- ▶ Up to a maximum product weight of 1 kg
- ▶ Suitable for products from 50 x 15 x 10 mm to 300 x 200 x 200 mm
- ▶ A throughput of 6,000 products/h (approx. 300 totes/h)
- ▶ The length of the separation belts is individually adjusted to the product portfolio
- ▶ Product identification using a six sided scanner, with a speed of 2.5 m/s



PROCESS

1. Feeding in order totes

Depending on whether the SSI Order Verifier is used as a stand-alone station or whether it is integrated into the system directly after the picking process, the order totes are transported to the Verifier manually or automatically.

2. Unloading order totes

The order totes are automatically unloaded by a tilt device.

3. Separating products

Product separation is carried out using innovative belt conveyors.

4. Identifying and documenting products

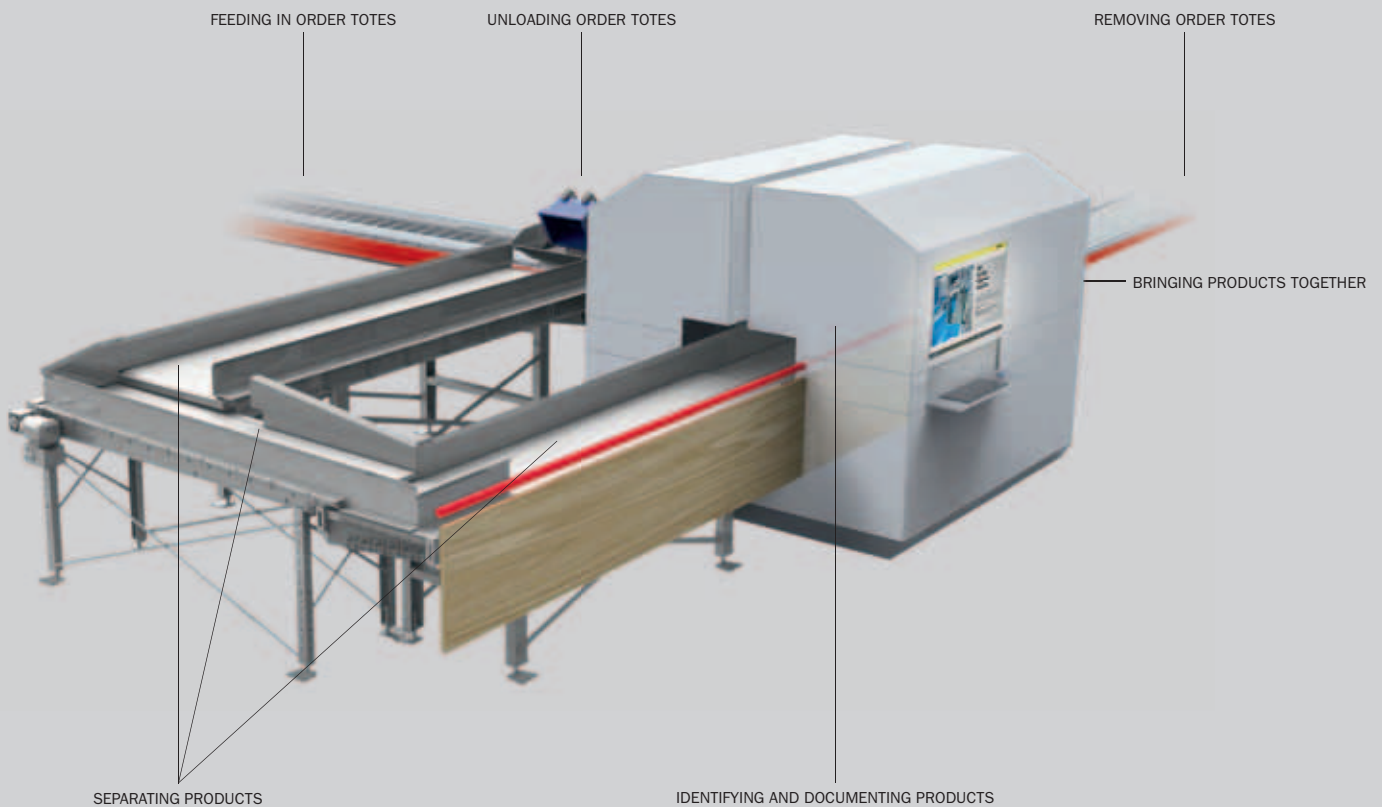
Inside the reading station the products are identified and documented by taking photographs at a speed of 2.5 m/s.

5. Bringing products together

When the scanning process is complete, the articles are brought together according to the orders, e.g. at an automatic filling point.

6. Removing order totes

After the verification the order totes are taken away from the Order Verifier and often transported directly to the shipping area.







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