

A 3D perspective rendering of a blue industrial S-conveyor system. The machine is shown in a cutaway view, revealing its internal components including rollers, gears, and a drive motor. Two blue rectangular blocks are positioned on the conveyor rollers. The entire machine is set against a circular background with a blue-to-white gradient.

S-conveyors for continuous vertical transport.

○ The solution for continuous upward and downward transport of unit loads.

S-conveyors from **BLUME-ROLLEN**: Constant material flow without cycle operation – for safe, automated conveyor processes.

The basic principle of the S-conveyor

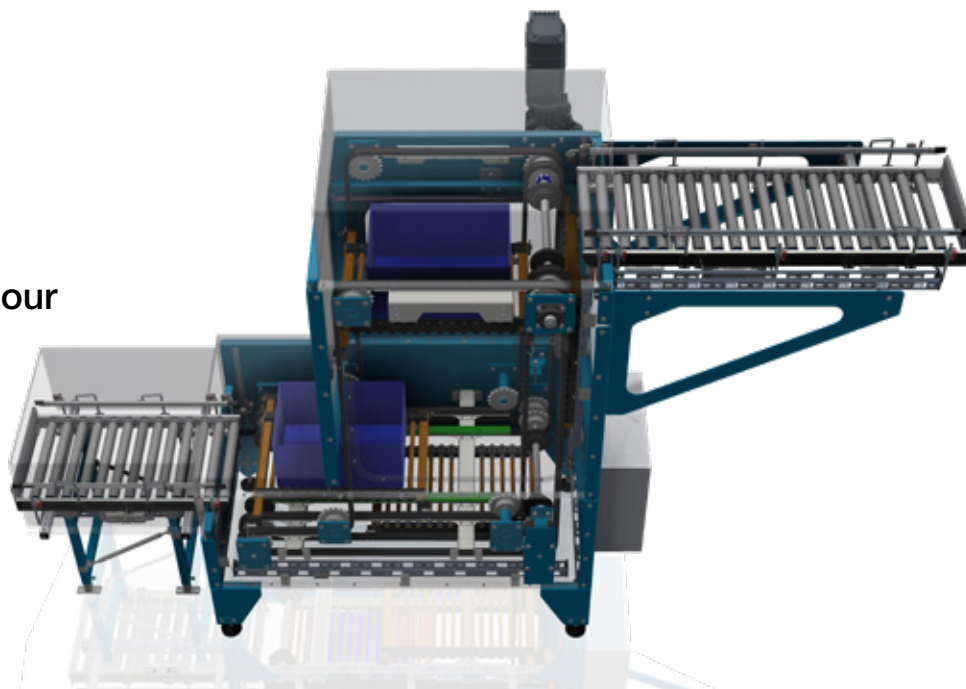
The 'S' stands for the circulation path of the conveyor. Carrier elements on an endless circulating chain move continuously through the vertical section – for uniform, flow-oriented material transport across two levels.

Suitable for

- Cartons
 - Trays
 - Containers
 - Light pallets up to 300 kg (packages)
- Suitable for use for upward and downward transport.

Advantages over clock-based systems

- Continuous vertical transport without cycle operation.
- Gentle transport thanks to synchronised transfers.
- Few wear parts, high system availability in multi-shift operation.
- High throughput with consistent material flow – up to 2,200 packages/hour for product dimensions of 600 x 400 x 400 mm (L/W/H) and a flexibly adjustable conveyor speed of up to 0.6 m/s for maximum efficiency and scalable performance.



Synchronised inlets and outlets precisely match the conveyed material to the circulation speed of the S-conveyor. This requires clocked feeding, separation and horizontal, synchronous transfer.

OVERVIEW OF FUNCTIONAL PROCESS

1. Loading

Continuous loading at upper or lower level.

2. Pick-up

Frictional pickup of the conveyed goods on the slat conveyor.

3. Vertical transport

Constant speed, positively driven and independent of gravity.

4. Discharge

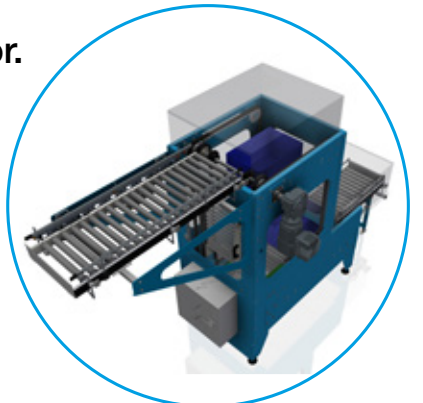
Automatic horizontal transfer to downstream conveyor technology.

5. Return

Empty slat conveyors return decoupled without affecting throughput or process reliability.

Your advantages

- Reliable performance with a constant material flow.
- High operational reliability, even for sensitive products.
- Ideal for automated multi-level conveyor systems.
- Low maintenance, durable and proven in industrial use.



**Contact us to arrange
an initial consultation:**

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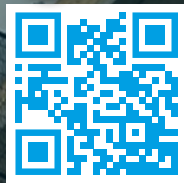


Have trust in our universal solutions.

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