

CONVEYING SYSTEMS

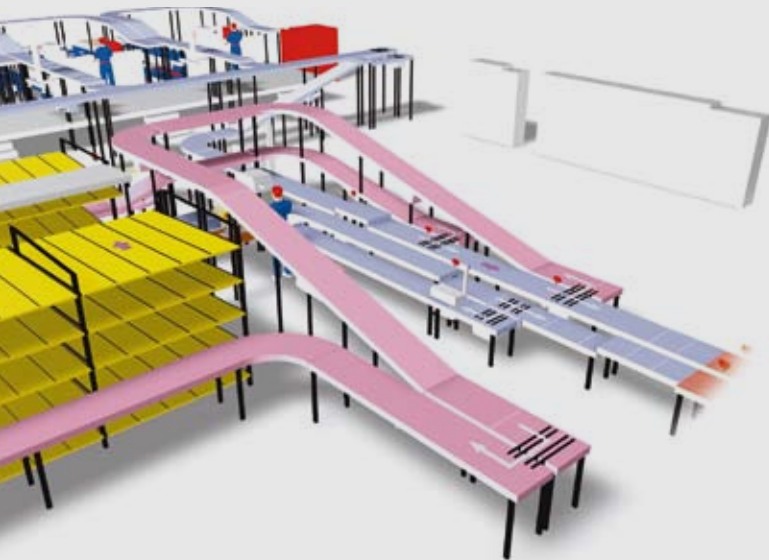


A NEW GENERATION OF CONVEYING SYSTEMS

Opening up new ways for your company.

The innovative SSI SCHÄFER PEEM conveying systems excel in flexibility of use. No matter whether you wish to transport cartons or totes or which size you prefer – starting from a base length of 180 mm your products will reach their destination in no time. High throughput and diversion rates (up to 6,000 items/hour) in the sorting area guarantee an efficient order processing.

Sophisticated logistics solutions form the basis of a continuous flow of goods (e.g. separation between goods-in and picking area).



Conveyingsystem profile ▼

INTELLIGENT CONCEPTION, SOPHISTICATED DESIGN DETAILS AND ADVANCED TECHNOLOGIES.

- ▶ Conveying system with solid C-profile
- ▶ Standardized profile for roller conveyors and belt conveyors
- ▶ Profile internal space usable as cable channel
- ▶ Separating plate in profile serves as electrical shielding of data lines
- ▶ Flexible conveyor railings are clipped onto the conveying system profile
- ▶ Shapely, homogenous characteristics, standardized for all conveyor elements
- ▶ Ergonomic design with rounded-off edges
- ▶ Profile outer edge almost entirely covered by synthetic material with touch-friendly surface
- ▶ Easy accessibility for maintenance purposes also during operation
- ▶ Uncomplicated spare parts management



OUR TECHNICAL INNOVATIONS AND STATE-OF-THE-ART SOLUTIONS ENSURE YOUR LEADING ROLE IN ORDER PROCESSING

- ▶ **Flexibility of use thanks to Driveroll technology in floor conveyors, curves which allow for accumulations etc.**
- ▶ **Modular construction of all components (e.g. supports, gates, curve drive sections)**
- ▶ **Standardized lateral frames**
- ▶ **Extremely long lifespan thanks to the application of enhanced components (e.g. Poly-V belt instead of conventional round belt)**
- ▶ **Component manufacture based on the latest production technologies**
- ▶ **Shaftless roller technology using load transmission clips facilitates superior stability and easy maintenance**

Systematic movements within your warehouse – reliable, fast and low-noise transport of your goods. Perfectly tuned conveying system components offer highest flexibility. New conception, extension or modification – anything is possible.

YOUR ECONOMIC ADVANTAGE

▶ High productivity and efficiency thanks to improved throughput, reliable technologies and manifold application possibilities (tote and carton conveyors) ▶ Easy, modular system assembly ▶ Extremely low-noise performance ▶ Improved profitability through state-of-the-art production technologies ▶ Easy maintenance

REVOLUTIONARY DRIVEROLL TECHNOLOGY ALLOWS FOR THE TRANSPORT OF 50 KG LOADS

- ▶ Implementation of floor conveyors with “130mm conveyor upper edge”
- ▶ Implementation of low-cost connection conveyors
- ▶ Actuated gap rollers without susceptible co-drives
- ▶ Installation of conveyors in low-noise areas up to 58 dbA
- ▶ Application in powered roller curves which allow for accumulation and gates

SILENT CONVEYING SYSTEM

The noise level of this conveying system was reduced by nearly 10 decibel – to a fraction of the initial value.

Examples for the noise level:

- ▶ Safety stopper: 56 dBA
- ▶ Transversal transfer: 60.1 dBA
- ▶ Segmentation 65.3 dBA

Speed:

- ▶ 0.3 - 1.2 m/sec

COMPONENTS

CONVEYING SYSTEM

- ▶ **Roller conveyor**
- ▶ **Powered roller conveyor**
- ▶ **Belt conveyor**
- ▶ **Used carton conveyor**
- ▶ **ABC conveyor**

DIVERSION

- ▶ **RSW6000**
- ▶ **Belt diverter**
- ▶ **Pneumatic pusher**
- ▶ **Tripple shipping diverter**
- ▶ **RSW co**

STANDARD NOMINAL WIDTHS – TRASH CONVEYOR

- ▶ **600 mm**
- ▶ **800 mm**
- ▶ **1,000 mm**

STANDARD NOMINAL WIDTHS – CONVEYING SYSTEM

- ▶ **275 mm**
- ▶ **325 mm**
- ▶ **375 mm**
- ▶ **425 mm**
- ▶ **525 mm**
- ▶ **625 mm**

CURVES

Powered and gravity roller curve 30° – 180°

STANDARDIZED ROLLER DISTANCE 60 mm, MAX. 90 mm

- ▶ **Supreme flexibility in selecting the goods to be conveyed permitting cross transport of totes with a base width of only 180 mm**
- ▶ **Extremely noiseless performance**
- ▶ **Maximum stability**
- ▶ **Minimum noise development**

HIGH SPEED ROLLER SWITCH – RSW6000

- ▶ Insertion or diversion station with acceleration rollers actuated by a belt and mounted on movable roller supports
- ▶ Each transport unit is individually identified and controlled by sensors
- ▶ 30° deflection possibilities provide for a safe high-speed transport
- ▶ Smooth transport thanks to sinusoidal diversion curve
- ▶ High diversion throughput up to 6,000 coli/h thanks to PUR coated rollers
- ▶ Appropriate for sortation diverter – bi-directional sorting
- ▶ Central belt actuation, less wear and tear
- ▶ No slippage thanks to separate drive

HIGH PERFORMANCE PACKAGE - MERGE

- ▶ Intelligent flow control
- ▶ Merging up to 6,000 packages/hour



▼ High performance package - Merge

▲ High-speed Roller Switch







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