SSI SCHÄFER

GB

SSI AUTOCRUISER

A Simple, Safe and Scalable Solution

SSI Autocruiser is an economic and extremely flexible transport system for small to medium throughput rates. It is suitable for practically any transport unit from 1 g to 30 kg. Due to the use of Cruisers built on robust and low-cost rail structures, the system is an easily scalable solution also suitable for long distances. The simple and high-quality system structure minimizes errors and facilitates quick start-up and training. This feature is further enhanced by a simple yet ingenious control concept which also contributes to minimizing the start-up time and the training costs. Due to these characteristics, the SSI Autocruiser system closes the gap between fork-lift transport and traditional conveyor technology.

Features and benefits

- No centralized control system required
- Universal loading platform for nearly all types of transport units
- Scalability of the system
- Easy extension and layout modification possible
- No cabling along the conveyor lines
- No pneumatic elements included in the system
- All components are supplied via a common two-phase socket 110-240V
- Energy saving of up to 70 % as compared to fork-lift transport
- Cost effectiveness
- Robust structure with reduced service costs
- Uncomplicated start-up with minimum training effort

Technical Data

Maximum speed	1 m/s
Transport unit base	600 x 400 mm
Transport unit weight	up to 30 kg
Throughput	up to 600 transports/h
Autonomy	250 m
Control	destination label on the Cruiser


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The Control Concept

For the parametrization of the SSI Autocruiser system it suffices to inform the scanners at the decision points which destinations correspond with which directions – similar to the direction signs at road intersections. This is done with the help of so-called parametrization labels. These are special labels which are passed once in front of the scanners installed at the decision points, during the system‘s start-up. This completes parametrization without the need of any other computer or software.

The direction of travel for the SSI Autocruiser is determined by decision points. The scanners at the decision points identify the destination labels to set the route. For example if the Cruiser needs to be diverted towards a particular workstation a destination label is manually fixed on the carriage. The Cruiser is then automatically diverted towards the pre-determined workstation.

Fields of Application

The Cruiser is designed to manually load and unload.

The Cruiser has advantages for nearly all transport tasks of low to medium throughput (approx. 10 to 600 transports per hour).

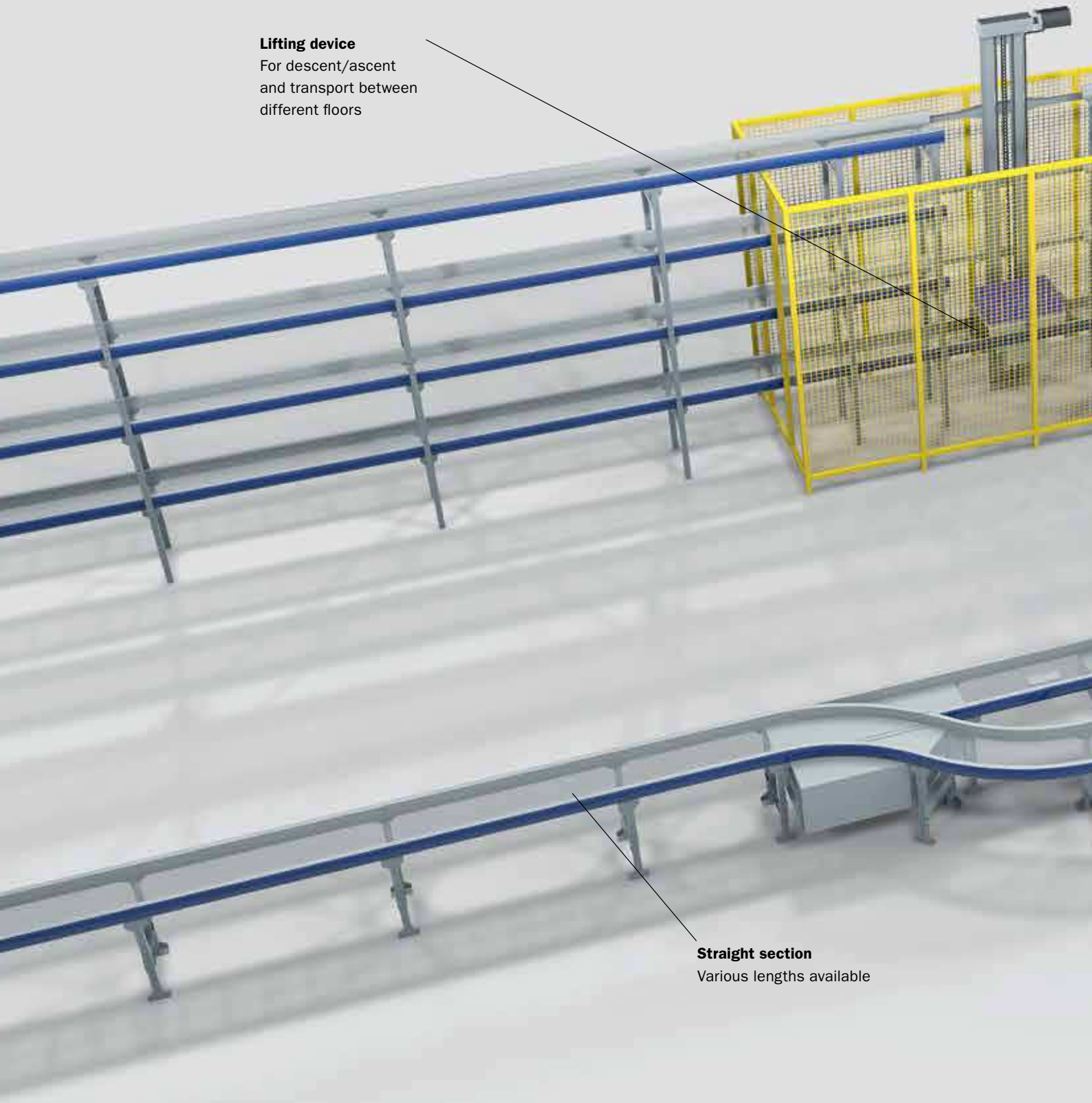
Some examples for this are

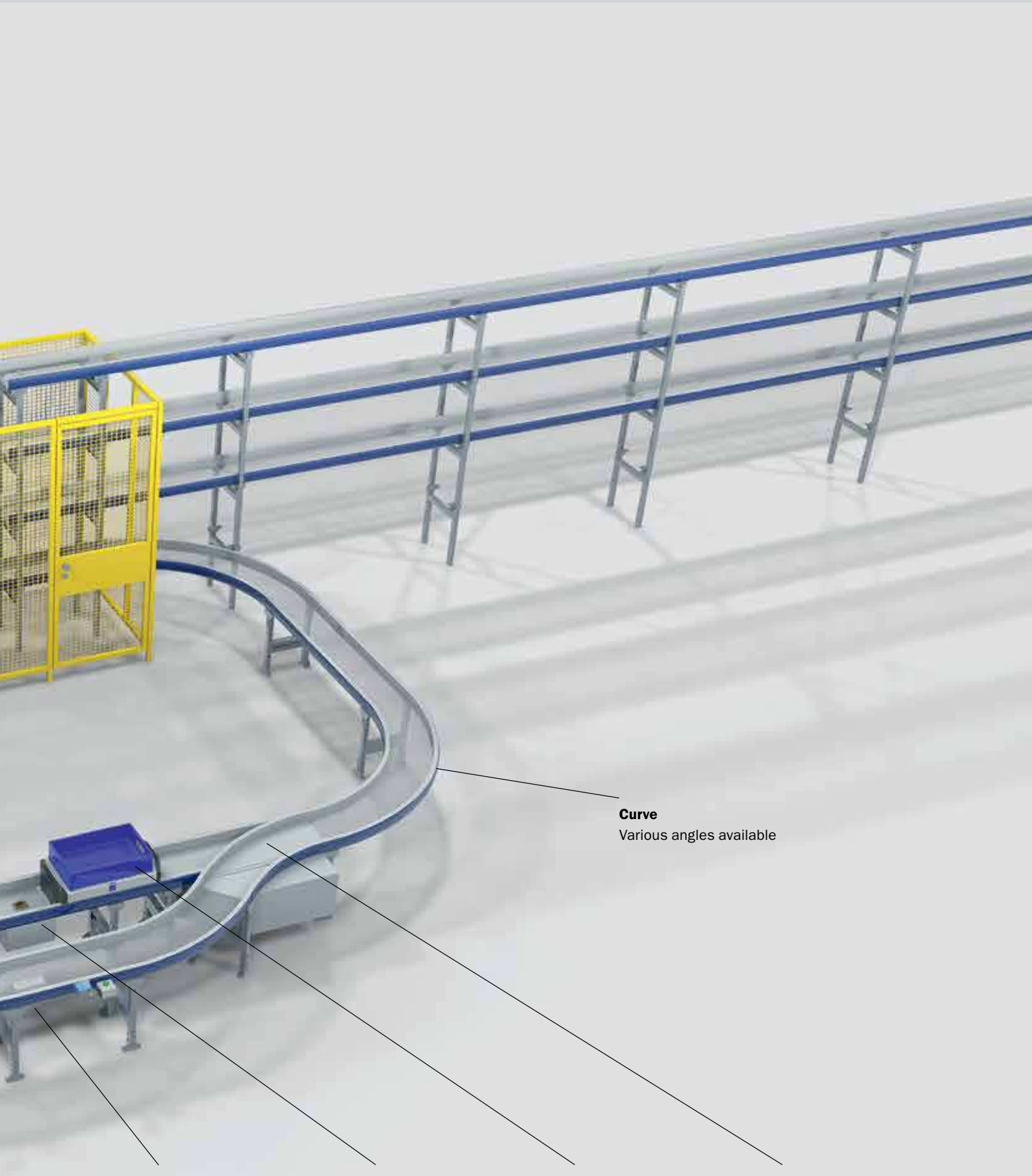
- Connection between production and warehouse
- Possibility to supply operators and machines with tools or other auxiliary equipment
- Connection of production lines
- Connection of buildings
- Handling of special products in logistics centers
- Returns handling in logistics centers

There is practically no limitation as to the type and form of transport units that can be handled. The Cruiser is a universal transport platform for totes, cartons, bags or even products without any additional load carrier.

Main Components of the SSI Autocruiser System

All components are supplied pre-assembled. This means a fast and nearly error-free installation.





Curve
Various angles available

Work station
At this station the goods are loaded onto or unloaded from the Cruiser

Charging station
Used to charge the energy storage

Cruiser
With energy storage, sensor elements and motor. The transport destination is specified by attaching a destination label to the Cruiser

Diverter
Right or left

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