

Shuttle system

System SHT 900

Intelligent shuttle technology enables a compact and space-saving material flow and offers great advantages not only in tight spaces and large-sized transport goods.

General key data

Max. payload	100 t
Max. loadbar length	20 m
Temperature range	up to 230 °C
Transport speed of the transfer bridge	up to 40 m/min
Transport speed of the carriers	up to 14 m/min
Max. hoist load	100 t
Max. hoist speed	12 m/min



Overview

The available area for conveyor systems is a decisive cost factor in surface coating and other industrial production processes. In particular the transport of goods up to 20 meters length requires a lot of space. The shuttle technology efficiently ensures the possibility of a lateral and longitudinal displacement of conveyed goods for a very space-saving transport through the production process. A fast lateral shift is achieved by using shift rakes. Loads from only a few kilograms up to 100 tons can be transported in a small space. The shuttle system can be delivered and mounted complete with steel construction, transfer bridges, carriers, hoists and controls.

Advantages for planning

- ▷ New and innovative material flow solutions are possible
- ▷ Space-saving through longitudinal and lateral displacement technology
- ▷ Simple change of direction by means of turnable switches
- ▷ Scalable for payloads up to 100 t
- ▷ Low number of functional elements
- ▷ Use of hoists easily possible
- ▷ Integrated construction by using the supporting structure as track
- ▷ Flexible operating modes with different process times are possible
- ▷ Static storage area can be flexibly integrated (for example as a branch line)

Advantages during operational life

- ▷ Proven and robust system
- ▷ Future extensions are easily possible
- ▷ Minimal maintenance
- ▷ No lubrication of the rails required
- ▷ Good accessibility of system components for inspection purposes
- ▷ Low spare parts inventory
- ▷ Energy-efficient as there is no permanently circulating drive chain
- ▷ Low operating costs/TCO
- ▷ Long life of the components

Application

The shuttle system is suitable for all transport tasks in surface coating and in other industrial production processes. The system is ideally suited for a wide variety of transport tasks in all industries due to its flexibility and scalability from only a few kilograms up to 100 tons.



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