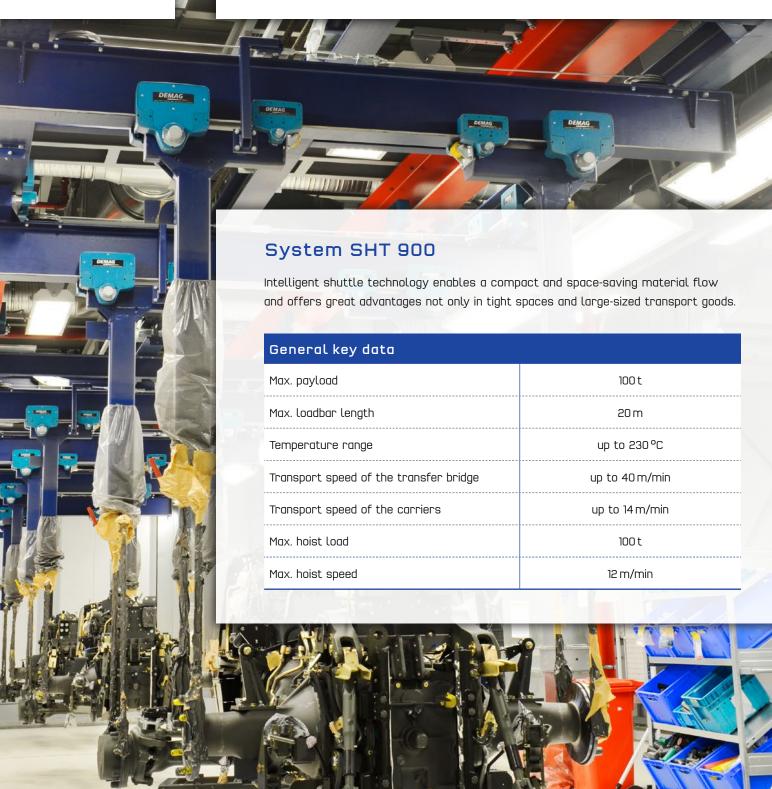


Shuttle system





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.



