

# Conveyor systems

## Transfer carriage with lifting device



### Function:

Horizontal load transportation and distribution across several levels; load transfer with chain or roller conveyor or telescopic forks; throughput up to 120 unit loads/hour (depending on transfer distance/variant)

### Load carriers:

Europallets, industrial pallets, special pallets, cage pallets

### Payload:

max. 1,200 kg per load transfer

**Conveying speed:** up to 2 m/s

**Hubhöhe:** up to 3 m

**Hubgeschwindigkeit:**

up to 1 m/s

### Construction:

- ▶ Painted carriage with 4 wheels
- ▶ Guided by 2 pairs of pressure rollers
- ▶ On-board lifting frame
- ▶ Frequency-controlled drive unit (on-board or off-board)
- ▶ Load transfer for one or more loads

## Control devices



### Function:

Checking the load for:

- ▶ profile, using light sensors
- ▶ overload, using load cells
- ▶ pallet clearance, using light barriers or mechanical flaps

### Load carriers:

Europallets, industrial pallets, special pallets, cage pallets

### Construction:

- ▶ Aluminium frame with light barriers and sensors

## Electric monorail



### Function:

Overhead conveyor system with individually driven chassis; flexible adaptation of the guideway to complicated conditions. Performance dependent on length of track and number of vehicles.

### Load carriers:

Europallets, industrial pallets, special pallets, cage pallets, special formats

### Payload:

Modular construction:

max. 2,000 kg

**Conveying speed:** up to 2 m/s

### Construction:

- ▶ Rails
- ▶ Lifting and lowering station
- ▶ Lifting belt
- ▶ Transfer unit
- ▶ Lift carriages and frame
- ▶ Buffer and weights
- ▶ Frequency-controlled drives and points
- ▶ Position sensors
- ▶ Absolute positioning
- ▶ Communication via WLAN