



# SchmidSystemtechnik



## SmartLoader

The loading and unloading of carrier with cargo cause extreme physical stress. To lift and to carry bulky and heavy loads result in health problems, especially musculoskeletal disorders and back pain. In the medium and long term this stress leads to an increase of the sickness absence.

### Ergonomic

The SmartLoader closes the gap between conveyor and container, swap body, or trailer with a telescopic belt. The physical stress is reduced significantly, what means that the physical strain and fatigue is decreased effectively.

### Mobility

Whether on castors or rails, the SmartLoader can be quickly and easily positioned and handle a variety of loading and unloading situations.

### Compact design

The SmartLoader is a mobile telescopic belt conveyor in compact design. In extended position the telescope features a length of up to approx. 2.0 m. Thereby, the SmartLoader is an optimal solution component for loading baggage, cargo, and limp bulk shipments even on platforms and in tight working environments and places with limited space.



## Integration

There are many ways to integrate the SmartLoader into existing material handling systems. It is thus e. g. possible to attach it to a conveyor line so that it is longitudinally slideable or rotatable at the front side.

As a universal usable application, a combination of the SmartLoader with an expandable roller conveyor has developed as an alternative to telescopic conveyors.

## Flexibility

The SmartLoader achieves its maximum length thanks to two extension segments. In combination with a range for lifting and lowering of 17° and reverse mode almost all loading and unloading situations can be addressed, such as loading in and out of ULDs and containers. Depending on the respective mechanical connection between SmartLoader and conveyor, the system can be easily positioned by hand.

## Specifications

Telescope:	1,065 mm retracted/ 2,030 mm extended; driven
Pivoting:	+/- 17° lifting and lowering; driven
Belt drive:	Reversible
Belt:	Width 500 mm, longitudinal groove structure
Dimensions W x D x H:	1,065 x 1,140 x 800 mm
Power consumption:	400V/50 Hz; 1.4 kW; 2.4 A
Accessories:	Light sensor for automatic stop at last segment

## Options

Longer extended length of approx. 3.0 m  
Adjustable conveying speed  
Connection to the field bus system  
Integration in material handling system  
Movable on rails



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