

# BeltConveyor

Modular parcel conveyor



## The challenge

Parcel sorting systems need to adapt to each site's unique architecture and setup. Flexibility is a must, as is the ability to transport parcels of all sizes. Sorting hubs need belt conveyors that can handle heavy loads with high throughput performance. Hub operators are also always looking for the highest availability with the lowest lifecycle costs.

## Our solution

The BeltConveyor platform provides the right solution for every need. It is designed to safely transport parcels of all sizes and shapes.

SmartMotion, a conventional belt conveyor, is the most commonly used product for day-to-day demands.

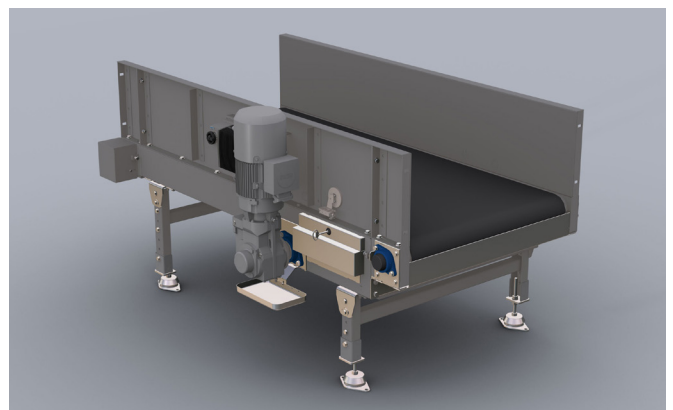
PeakMotion, a heavy-load belt conveyor, fits the bill for high-load applications such as bulk load conveyors.

Smalls, a conveyor for small items, provides a minimum gap for reliable transportation of shipments, such as envelopes, polybags etc.

Standardized interfaces for a wide range of components ensure steady operations and smooth material flow. A variety of add-ons and accessories are also available.

## Customer benefits

- Reliable transport of items ensures minimal loss and damage
- Energy saving components reduce operating costs
- High availability through robust design
- Minimal spare parts and replacement times of under 30 min means less capital commitment overall
- Special smalls end section without transition plates ensure optimal tracking conditions
- Accurate measurement of product lifecycle CO2 footprint facilitates sustainability planning





## Technical data

<b>Useable width</b>	SmartMotion: 800, 1,000, 1,050 mm PeakMotion: up to 1,500 mm Smalls: up to 1,500 mm
<b>Conveyor length</b>	1,200 mm – 18,000 mm
<b>Side wall height</b>	300, 400 or 600 mm
<b>Inclination</b>	±18°
<b>Speed</b>	Up to 2.5 m/s
<b>Motor rating</b>	0.75 kW – 4.00 kW
<b>Dynamic load</b>	SmartMotion: 50 kg/m PeakMotion: 70 kg/m Smalls: 70 kg/m
<b>Static load</b>	150 kg/m
<b>Base weight</b>	280 kg (1,200 mm metering)
<b>Continued weight</b>	40 kg/m
<b>Bearing</b>	SmartMotion: integrated PeakMotion: flange bearing Smalls: integrated

## Available add-ons and accessories

- Side guards in different shapes and functions
- Safety precautions, e.g. safety guards
- Connection sets to other products
- Accessories, such as oil drip pan
- Radius-bent and roll-supported intermediate sections
- Mounting plates for variable-frequency drives, buttons, light beacons and other electrical equipment
- Tracking via incremental encoder
- Floor and hanging supports

## Interfaces to other equipment

- BeltCurve
- BeltTilter
- MergeConveyor
- BeltSort
- RollerConveyor
- VarioSort inductions and chutes

