CALJAN BELTTRACK – CLASSIC

TELESCOPIC BELT CONVEYOR

Reduce unloading time by 50%
Rapid (un)loading - up to TWICE as fast as manual handling.

Increase capacity at the door
Waiting time for trailers is reduced. Turn-around time is optimized. Automating the (un)loading process allows capacity to be maintained throughout the shift.

Improve the work environment
Minimal lifting as the operator can extend and elevate or lower the conveyor to an appropriate working position.

Short ROI; typically less than 2 years
Less manpower required to unload/load - even at capacities of more than 16,000 items daily. Experience from an install base of 20,000+ shows the return on investment is typically less than two years.

Customised to suit
Your conveyor can be customized with a wide variety of functions incl. hydraulic elevation control, powerful lighting, operator platform, lifting aid, head/ tail conveyor and automatic package indexing. It can even be mobilised to serve multiple doors/docks.

LOAD/UNLOAD TRAILERS & TRUCKS OF ANY SIZE
TWICE AS FAST AS MANUAL HANDLING

Load or empty loose-loaded goods in just half the time with the aid of a Caljan Belt Track Telescopic Conveyor. Typically the conveyor is used to load and/or unload boxes, sacks, tires etc.

All Caljan Telescopic Conveyors become an extension of your workforce, cutting trailer loading & unloading times in half. With ergonomic operation, it works hard so your employees don’t have to. You save both time and money.

Quality
Made of high strength steel, our conveyors are designed to perform to specification throughout their considerable lifetime.

Safety
Pinch areas are minimal and covered. Chains and other moving parts are encased or shielded.

Service
A well established service system, ensures that spare parts are available as required. Many options can be retrofitted to maximize flexibility.
The programme shown here comprises our standard range of Caljan BeltTrack telescopic belt conveyors, type Classic. Your conveyor(s) can be customised to suit the application by fitting one or more functions.

For alternative conveyor types, please refer to the “Features” table below.

... AND A MULTITUDE OF OPTIONAL FUNCTIONALITY

Hydraulic Elevation (1)
Powered by a hydraulic pump, the whole conveyor can be elevated at an angle of up to 10° ensuring that the operator can work in an ergonomic position. The elevation movement is controlled by means of the joystick fitted on either the right or left side of the boom. The same joystick is used to control extension/retraction.

Vaculex ParceLift™ (2)
Vaculex ParceLift™ lifting aid helps the operator move items weighing up to 40 kg to and from the conveyor belt ergonomically, so that undue exertion is avoided and the risk of repetitive strain injuries (MSD) reduced. Parcels are gripped and lifted to the correct height in one swift movement. All control functions are built into a compact handle.

Raised belt transfer (3)
Fitting a raised belt transfer to the tail end of the conveyor raises the belt, enabling loose-loaded cargo to travel from the boom up to another belt. This optional function provides a smooth transition to the handling system.

Overhead light
Usually, lighting inside the truck is poor. Fixing an overhead light to the front section of the conveyor improves the work environment providing the operator with good lighting. The light is an integral part of the machine, moving with the front section of the boom.

Articulating front belt (4)
The articulating front belt is a special section mounted at the head of the boom. Equipped with a standard control panel, the operator is able to use the joystick to elevate the front belt to an appropriate position, enabling the goods to be loaded/unloaded ergonomically. When the conveyor is not in use, the Articulating front belt can be stored in an upright position. When stored in this manner the front belt adds 0.5 m to the length of the base section.

ManRider Operator Platform (5)
This solution is ideal for unloading/loading Timpte Super Cube or other specialised trailers. This option ensures ergonomic operating conditions by providing a platform for the operator to stand on. Using the joystick at the head of the boom, the operator can extend the conveyor and adjust elevation so that he is positioned precisely where he needs to be. Foot pedal operation is optional. The platform is equipped with a safety hand-rail, clamp for restraining harness and chain plus an anti-slip floor plate to prevent the operator falling from the platform.

Safety stops ensure that platform movement is restricted to the operating area, to prevent the operator from knocking into the sides of the container. The ManRider Platform can be used by one or two operators.

Other Functions include:
- Head lamp
- Side guards
- Tail conveyor
- Rails on which the conveyor can move
- Castors
- and many more. Please ask for details.

### COMPREHENSIVE RANGE OF SIZES

The programme shown here comprises our standard range of Caljan BeltTrack telescopic belt conveyors, type Classic. Your conveyor(s) can be customised to suit the application by fitting one or more functions. For alternative conveyor types, please refer to the “Features” table below.
Design
Made of micro steel alloy, the conveyor frame is designed to withstand the harsh environment of the loading/unloading zone. All moving parts are protected to meet the latest safety regulations. Trolleys fitted with double bearings help spread the load of the telescopic sections whilst the booms are extending, providing correct extension and uniform high performance throughout the conveyors lifetime. The machine is fully guarded on the underside for optimal safety.

Technical Data
Belt width [C]: 600 or 800 mm
Belt type: HQ-multiply PVC belt
Belt direction: Loading or Unloading
Belt drive: Gear motor
Telescopic movement: Gear motor
Load: 50 kg/m
Power supply: 3 x 400 V AC, 50 Hz, N, PE
Conveyor operation: Power on/off at the rear of the conveyor
Belt start and stop at the head of the conveyor
Front light: 100 lux measured at a distance of 1 m
Control cabinet: Can be fitted on either side at the head of the conveyor
Power consumption: Max. 3 kW/16A
Joystick: Positioned on either side at the head of the conveyor. Pushing the joystick extends the conveyor. Pressure must be maintained to ensure safe operation

Safety features:
Emergency stop, both at the tail and head of the conveyor
Safety pop-out rollers (non driven) at the head of the conveyor
All moving parts are fully covered, including the underside of the conveyor
Rubber covers and brushes prevent pinching
Anti collision strip at the head of the conveyor

Guarantee: 5 years on all structural parts
Communication: Exchange signals can be sent from the conveyor to your package handling system and/or vice versa
Installation: Temperature 0-40°C
Environment: Humidity 20-80% rH
Noise level: <65 dB(A) - highest value, measured at a distance of 1m
Colour: Standard RAL 3020. Other RAL colours available on request

Additional options:
- Integrated frontlight
- Variable belt speed
- Variable work height or ManRider operating platform
- Hoods, tail conveyors or transfer plates

Please ask for further details.