

Standard Belt Conveyor

Belt Conveyor

Roller Conveyor

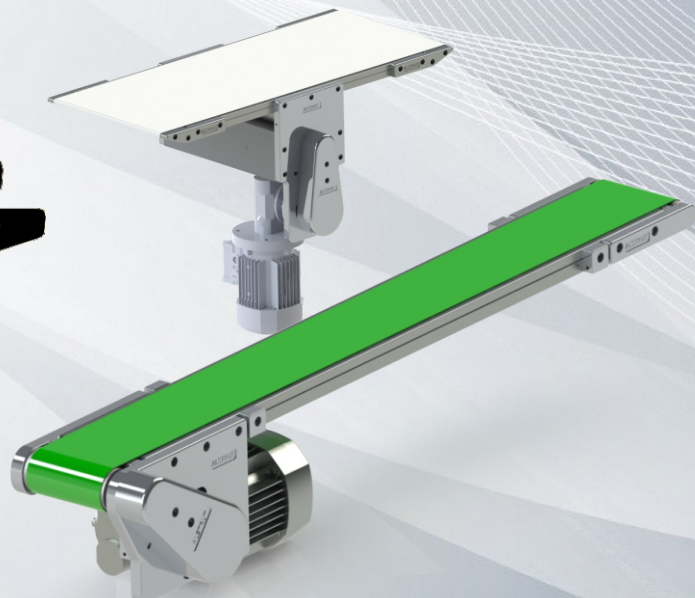
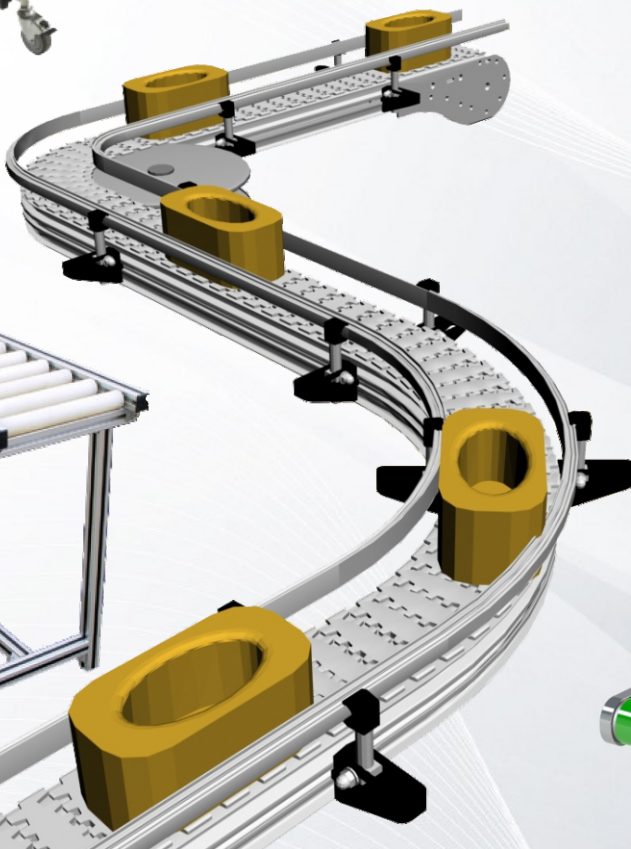
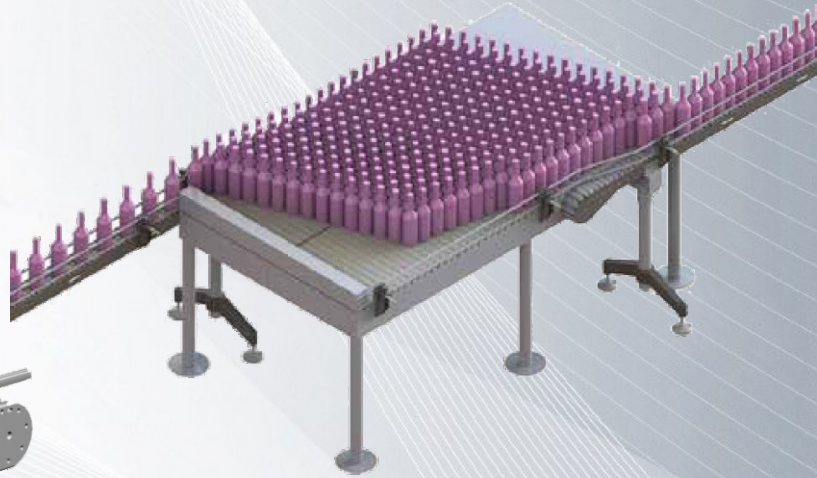
Plastic Chain Link Conveyor

Modular Plastic Belt Conveyor

Pallet Conveyor

Flexible Conveyor

Telescopic Conveyor



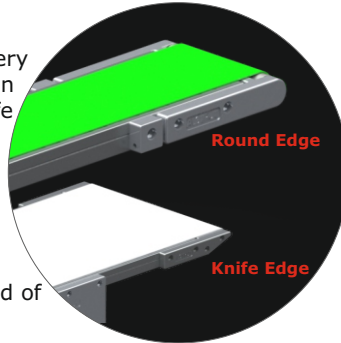
Standard Belt Conveyor

Alstrut offers a range of standard belt conveyors to suite various industrial applications. Such conveyors are typically used for transporting goods and material, for automating assembly and processing, for shipping and packing and much more.

These standard conveyors are built with a unique modular design that ensures delivery with very short lead times. The conveyors can have widths ranging from 100 mm to 600 mm (at 100 mm increments), with lengths as per the application requirements.

These standard conveyors are extremely sleek and is a very cost-effective solution. The two ends of the conveyors can have the option of round roller edges (30 mm dia) or knife edge (8mm dia) - which is ideal for transferring small products from one conveyor to the other. Choice of end-drive or middle-drive are available.

The conveyors can be fitted with standard motors with reduction gear box. When connected to a VFD, the conveyor can be run at slow speed with a maximum speed of 30 meter/minute.



Round Edge Standard Belt Conveyors
Knife Edge Standard Belt Conveyors
Round / Knife Edge - Combination

Belt Conveyor

Belt Conveyors are custom designed belt conveyors to suit applications which have specific requirements. Belt Conveyors are most universally used and recognized machines in most industrial settings.

These can be customized completely as per the customers requirements - depending on the conveying speeds, weight of product etc. Various types of belt material that can be selected to ensure they suit the specific application where they plan to be used at.

All conveyors can be integrated with various sensors / speed control devices / mechanical or pneumatic stoppers as the application may demand. Various options of belts are available that may be selected specific to the application.

While most belt conveyors are suitable for linear transfer of material on the same plane, it is also possible to build tapered belt conveyors to move products from one level to another, as well as curved conveyors for moving product 90 degree.



Flat Belt Conveyors
Inclined Belt Conveyors
Cleated Belt Conveyors
90 Degree Bend Belt Conveyors

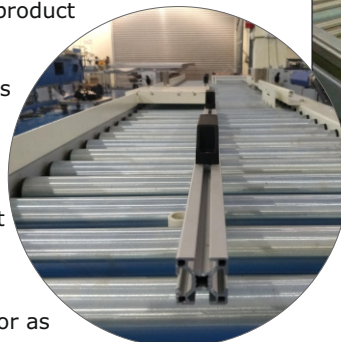
Roller Conveyor

Roller Conveyors are ideally suited for moving products in a manufacturing line or warehouse, that otherwise may not be handled on a Belt Conveyor. Roller conveyors are extremely rugged and ideal for extreme handling. Various types of Roller Conveyors can be designed and implemented depending on the requirements.

One of the most commonly used roller conveyors is the Gravity Roller Conveyor - for economical non-powered transfer of material. Such conveyors rely on the operator pushing the product on the conveyor - or - the product moving down an inclined conveyor due to gravity.

Powered Roller Conveyors are conveyors where the rollers are powered and power transmitted to each of the roller through a chain. This is ideal for moving heavy boxes and more demanding applications.

The Roller Conveyors can be custom designed in different lengths & widths. Roller type can also be customized to different diameters / special coatings depending on the application. Accessories such as sensors, speed control devices, pneumatic stoppers may be fixed on the conveyor as per requirement.



Gravity Roller Conveyors
Power Roller Conveyors
Inclined Roller Conveyors

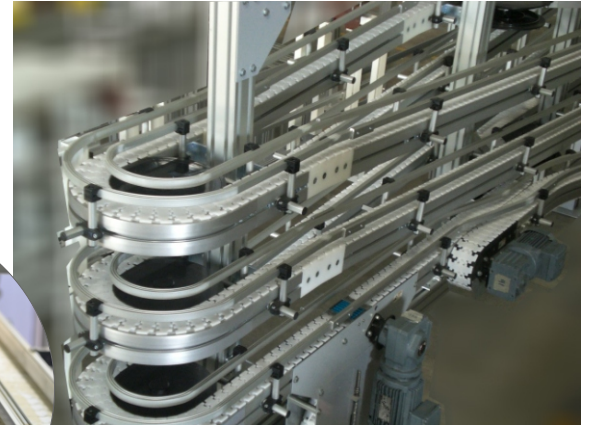
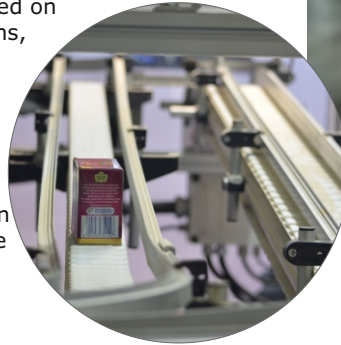
Plastic Chain Link Conveyor

The Plastic Chain Link Conveyors are modular and flexible, making them a very cost effective solution.

These conveyors are an ideal choice for products which may require accumulation of the products on the conveying line. The material of the chain ensures no damage to the product during accumulation. The unique design of such conveyors also allow for installation in tight spaces.

Various sizes and types of plastic chain conveyor integrated on aluminium beams including straight beams, inclined beams, turns of various angles complemented with structural supports, side guides and various other accessories allows for horizontal, inclined and vertical distribution of products.

Owing to the modular design of these conveyors, it is possible to deliver custom designed conveying solutions in short delivery times. These belts have a long life because of the minimal belt wear, simplified cleaning and require low maintenance.



Plastic Chain Conveyors
90 Degree & 180 Degree Bends
Cleated Chain Conveyors
Inclined & Alpine Conveyors

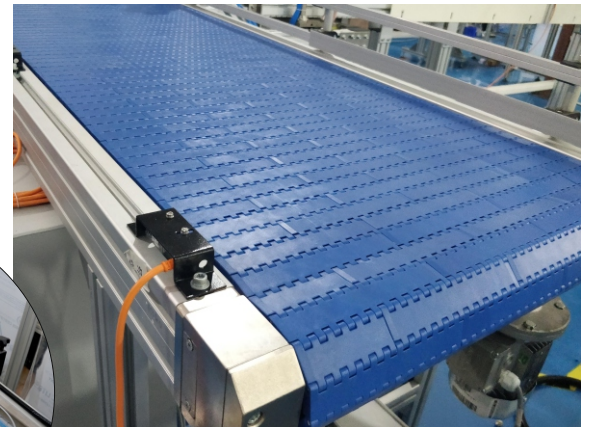
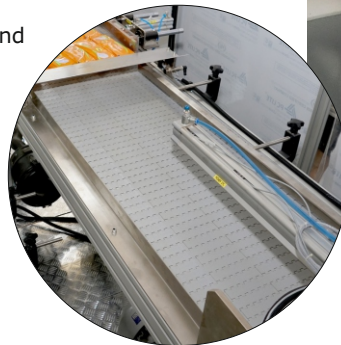
Modular Plastic Belt Conveyor

Modular Plastic Belt Conveyors provides high quality specialized solutions for virtually every type of application. These modular plastic belt conveyor offers many advantages over metal, fabric or running belt conveyors.

These conveyors utilize hinged, interlocking plastic segments to form the belt instead of a conventional flat belt. This allows for a segment of damaged belt to be replaced reducing amount of downtime and belt replacement costs.

The modular plastic belt conveyor are a good choice for accumulation conveyors. Depending on the application and type of product to be conveyed, appropriate belt can be chosen for the application.

Some of the advantages of using a modular plastic belt conveyor include longer belt life and less wear, simplified cleaning and maintenance, enhanced worker safety and zero need for lubrication or tensioning.



Modular Plastic Conveyors
Inclined Conveyors
Cleated Conveyors
90 Degree Bend Conveyors

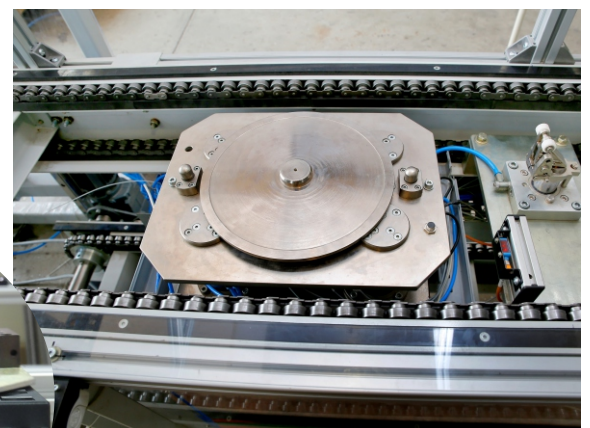
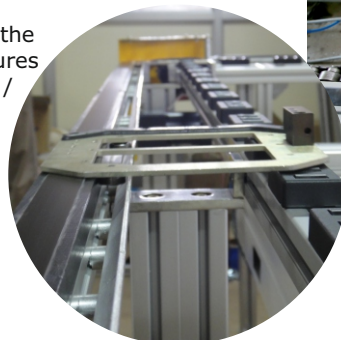
Pallet Conveyor

Pallet Conveyors are used to carry individual parts between assembly stations, machining centers and to other stations. Such conveyors are built using endless chains or endless belts on which the pallet is carried.

Each part is seated on a custom designed pallet, ensuring that the orientation of the part remains constant at all times. The pallets move on the conveyor asynchronously, and can buffer (or accumulate) prior to entering a workstation, or after exiting a workstation.

Various sensors, pneumatic stoppers are integrated with the control system that communicates with each station ensures that the pallets are released just in time for the operator / automatic station to receive them. Pallets can also be RFID or Barcode tagged to ensure track and trace of the assembly operations.

Lifter stations and rotating stations can be incorporated within the conveyor line enabling the parts to be handled as per the custom requirement.



Accumulation Pallet Conveyors
90 Degree Transfer / Shunts
Pallet Lift Mechanism
Pallet Lift & Rotate Mechanism

Flexible Conveyor

Flexible Conveyors are a must have in any production line or warehouse. These conveyors are suitable for environments with changing material handling conveying requirements. They are ideally suited to convey part bins, carton boxes or parcels.

The Flexible Conveyors can be collapsed together to make it into a smaller length conveyor. Depending on requirement, they can be stretched to form a longer conveyor which could increase in length over twice the collapsed length.

In a stretched condition, the conveyors can also be twisted or turned, enabling moving of parts between two points which may not be in a straight line. The ability to increase or decrease the heights at each end of the conveyor enables transfer of products between two different heights.

The Flexible Gravity Roller Conveyor and Skate Wheel Conveyor are most efficient for pushing the product, or letting products move by gravity. The Flexible Motorized Roller Conveyor are suited for conveying parts over longer distances without the need for operator efforts. All conveyors come with options of different widths and roller diameters depending on the application.



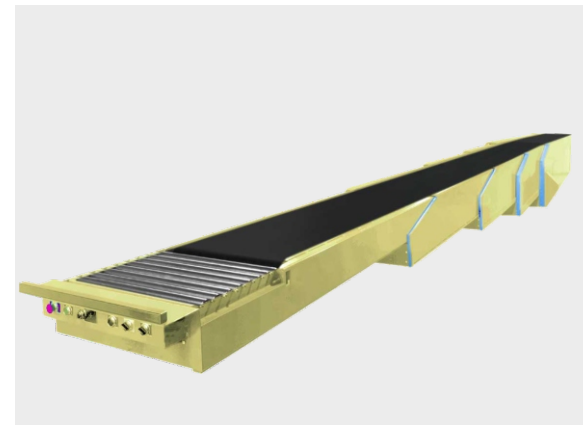
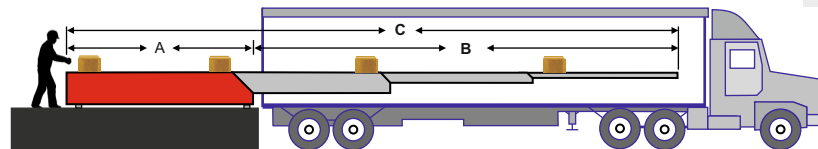
Flexible Gravity Roller Conveyors
Skate Wheel Conveyors
Flexible Motorized Roller Conveyors

Telescopic Conveyor

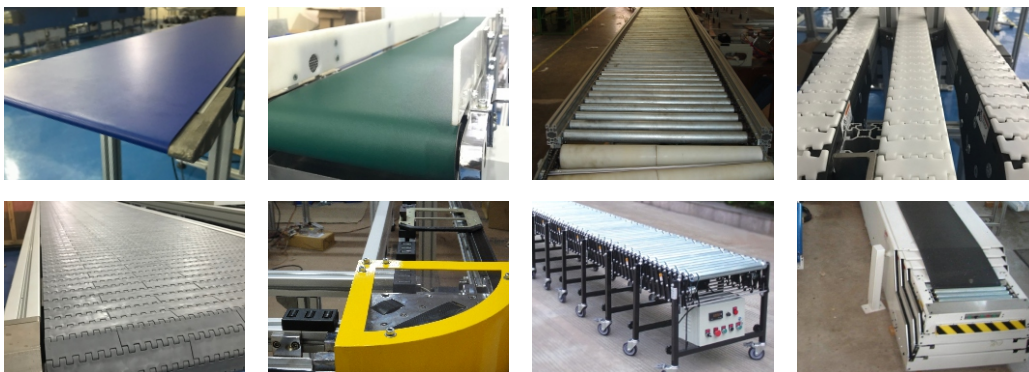
Telescopic Belt Conveyors are ideally suited for loading and unloading boxes / sacks / tyres / other products into different sized vehicles - from a small van to a truck. The advantage of the Telescopic Belt Conveyor is that the length of the conveyor can be electrically extended or retracted telescopically. This ensures that the loader/unloader can comfortably work throughout the length of the vehicle.

Using a Telescopic Belt Conveyor significantly minimizes the number of loaders, enhances the efficiency of loading / unloading into the vehicle thereby minimizing fatigue. Besides reducing the number of operators doing the job, it also increases the throughput, enabling quicker turnaround of vehicles.

The conveyors come in two standard widths of 600mm or 800mm. Length of such conveyors can be custom selected depending on the specific application. The ability to hydraulically tilt the conveyor to an incline is available as an option depending the need of the application, which could further enhance the operators efficiency.



Multi Stage Telescopic Conveyor
Optional Hydraulic Lift



Machine Building Components
Assembly Line & Workplaces
Material Handling Solutions
Robotic Solutions
Special Purpose Machines