



Your Next Generation of Vertical Conveyors

Flow-Lift Continuous Vertical Conveyors (CVC) are designed to transport packages, totes, and similar items between two floor levels. Due to their continuous operation, Flow-Lift conveyors can reach high throughput rates, on a small footprint. Compared with spiral or inclined conveyors, CVC conveyors take up less space and the conveyed product stays horizontal during transportation. This makes CVC conveyors suitable for a wide range of products including cartons, trays, and totes, but also many other products such as bags, luggage, kegs, rims, and tires.

Flow-Turn's **Flow-Lift** Continuous Vertical Conveyors are platform conveyors that use rubber block chains (RBC) with embedded high-strength cords instead of metal link chains. This assures clean operation with low noise and low vibration, especially at higher speeds, and it eliminates the need of lubrication or re-tensioning. The unique block chain is a low-wear component and engages with drive wheels like a tooth belt or timing belt, without slippage.



Flow-Lift CVC Conveyors



Flow-Lift in Stainless Steel design, payload 150 lb per platform, 700 totes per hour, 60 FPM, 14.5 ft Lift, 24" x 16" x 21.5" Max. Product Dimensions,

Flow-Lift vertical conveyors can be designed as S-Conveyors (shown left) or as C-Conveyors with reversing flow and entry and exit on the same side. Please see Data Sheet for a side-by-side comparison of the configurations.

Flow-Lifts are available with various platform widths and lengths, and with many design options, e.g. powder coated steel frame or stainless steel frame.

Flow-Lift Applications

- ☐ Package & Parcel Handling
- ☐ Warehousing & Distribution Systems
- ☐ Manufacturing Plants
- ☐ Packaging Machinery

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*Custom design is a FLOW-TURN specialty.
We manufacture to rigid specifications and provide answers to unusual requirements.*



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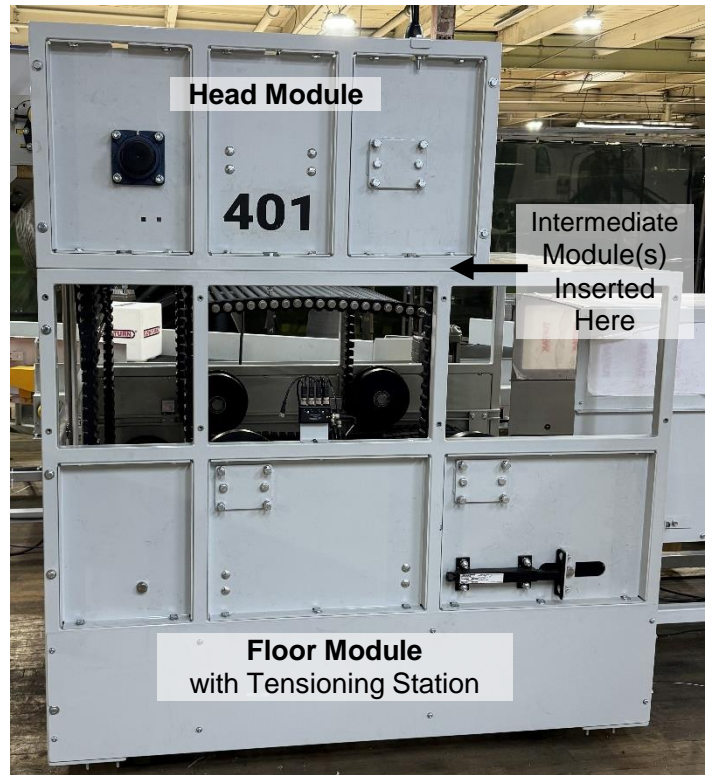
Flow-Lift CVC Conveyors

Flow-Lift Conveyors consist of Head Module and Floor Module, plus one or multiple Intermediate Modules, depending on overall elevation difference.

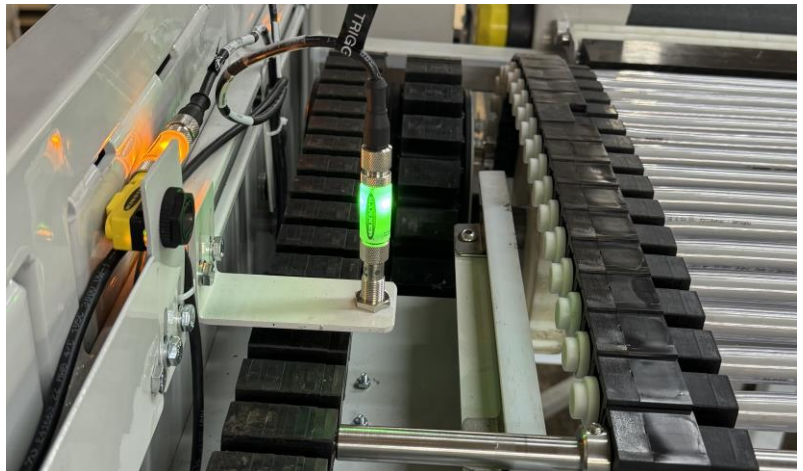
The Head Module typically includes the gear motor, the Foot Module includes the tensioning station for the Rubber Block Chain.



View of Rubber Block Chain and Platforms inside the Flow-Lift



Flow-Lift Conveyors are equipped with electronic sensing devices, including photo eyes with reflectors and proximity switches, to assure proper and safe operation.



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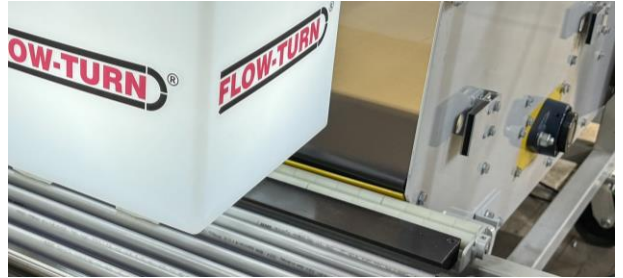
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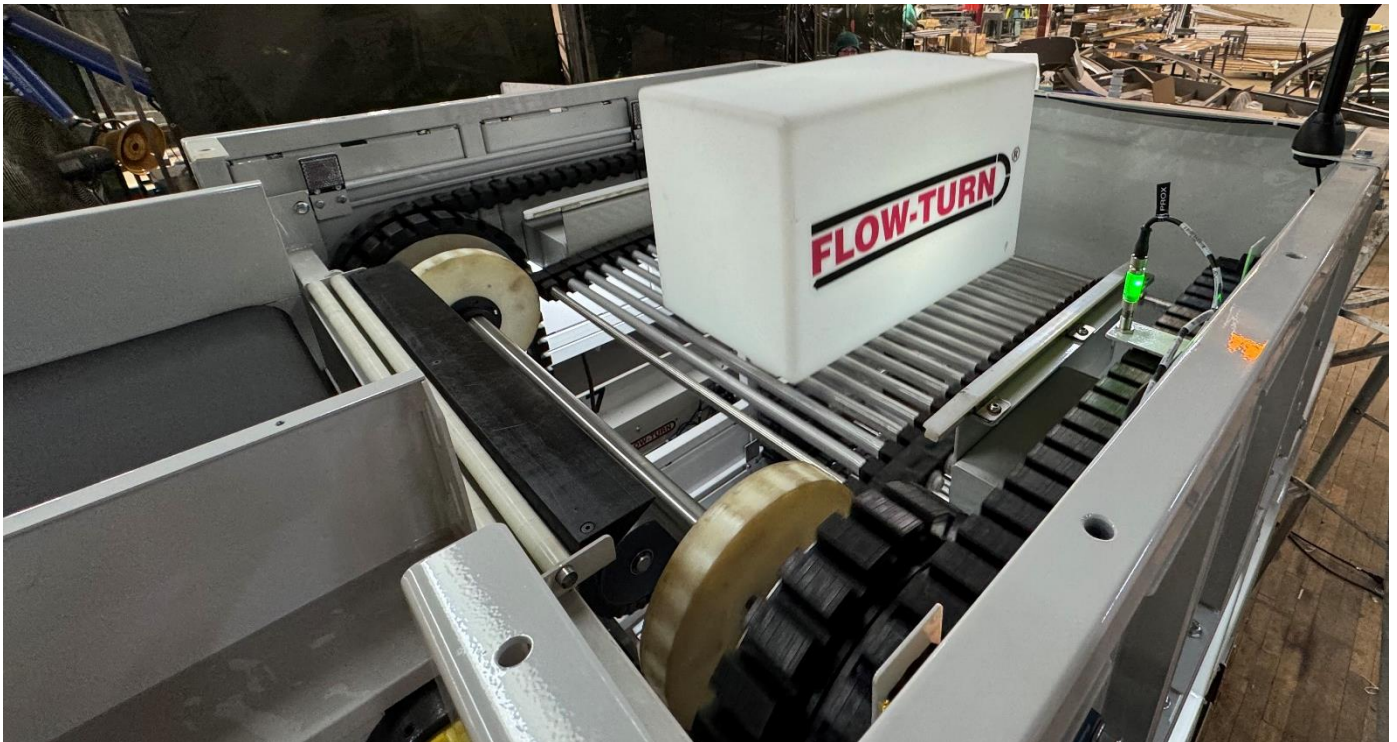
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Flow-Lift CVC Conveyors

Flow-Lift Product Infeed from SKR (Straight Knife Roll)
Conveyor with Knife Roll Transfer



Flow-Lift Product Discharge onto take-away conveyor



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Flow-Lift Data Sheet

Flow-Lift Model Code

FL-S253-24_16-96-UP

FL Group Identifier

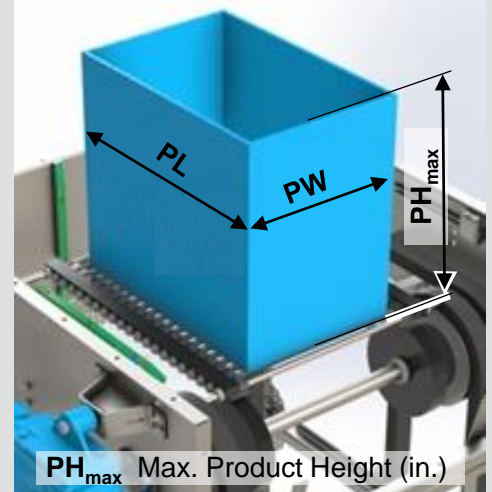
S/C S- or C-Conveyor Design
and Wheel Dia. (mm)

PL Usable Platform Length (in.)

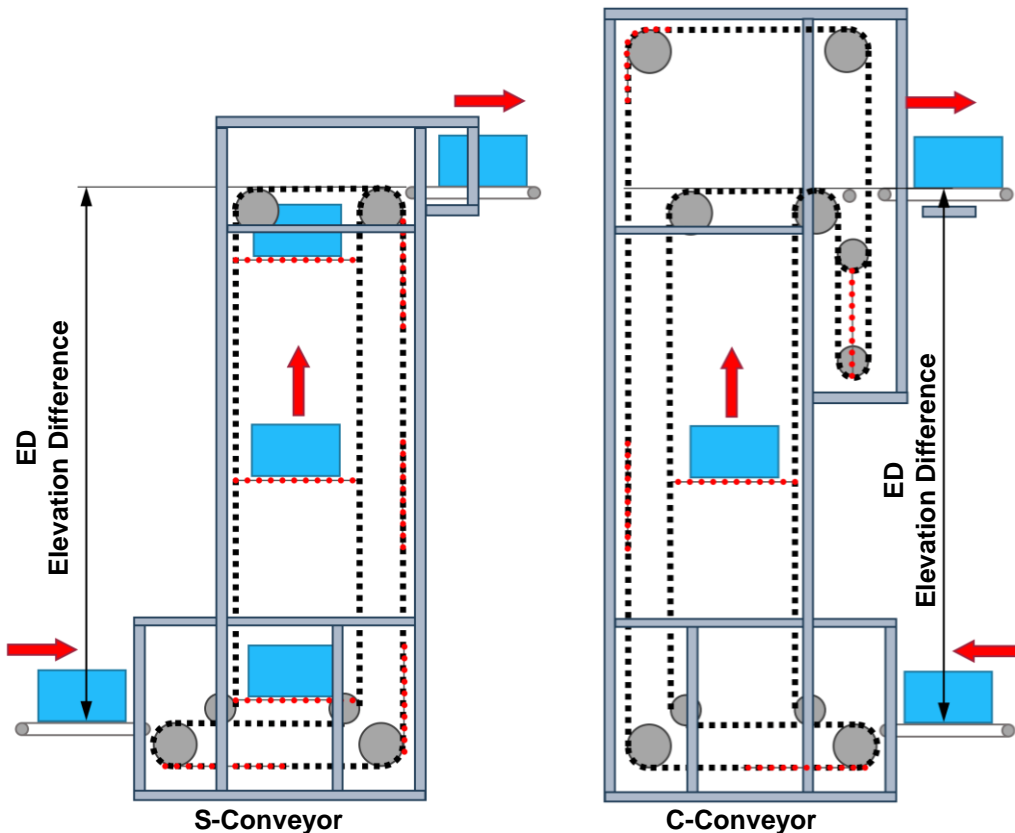
PW Usable Platform Width (in.)

ED Elevation Difference (in.)

UP/DN Up or Down Operation



PH_{max} Max. Product Height (in.)



S-Conveyor

C-Conveyor



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Flow-Lift Configurations

S-Conveyors convey product up or down, without change of direction. Loading and unloading points are opposite from each other.

C-Conveyors convey product up or down as well, but the direction of flow reverses, and loading and unloading are on the same side.

Note:

The achievable throughput for C-Conveyors is lower than for S-Conveyors, due to the larger gap between platforms.

C-Conveyors also build taller and have longer chains than S-Conveyors with the same elevation difference.

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