



Three position elevator .

FlexLink three-position elevator with turning unit handling cylindrical products, diameter 110-240 mm

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PROBLEM

On a restricted floor space, moving a flat lying cylindrical product from FlexLink incoming conveyor to the inlet chute of a machine where the product is left in a standing position. The need is also to handle standing products coming out from the machine and place them flat on an outgoing FlexLink conveyor.

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SOLUTION

The FlexLink elevator can handle products with a diameter of between 110 and 240 mm and a width of 40-80 mm without adjustment. The unit has a turning function which is equipped with a pusher mechanism which feeds out the products into a standing or lying position.

Function

The hoist has a normal starting position at the outlet chute of the machine. When the product is in position at the pusher (3939159), on the FlexLink inlet conveyor the elevator is lowered to the level of the conveyor and the turning unit is rotated. When this is in position the product is pushed into the unit whereupon it is rotated to a standing position and thereafter elevated up to the inlet chute of the machine. The product is rolled out onto the inlet chute by the built in pusher in the turning unit. The elevator is then lowered to the level of the outlet of the machine and is locked by the intermediate stop cylinders. The hoist then waits until the product is fed out from the machine. When the product is in position in the turning

unit the elevator is lowered to the level of the FlexLink conveyor chain and rotated in order to be pushed out flat on to the outgoing conveyor. Note that both FlexLink conveyors are at the same level and that the inlet and outlet chutes of the machine must be in vertical alignment with each other.

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BENEFITS

The FlexLink three-position elevator permits more compact production and uses a minimum of floor space by having the inlet and outlet functions in the same unit. The “zero falling” handling of the products reduces handling damage, operates silently and efficiently, requires no adjustment and the standard enclosure around the machine ensures a safe environment around the machine.

Additional Equipment

Inlet pusher: 3939159

Incoming conveyor: 3917899 (customer-specific length)

Outgoing conveyor: 3817900 (customer-specific length)

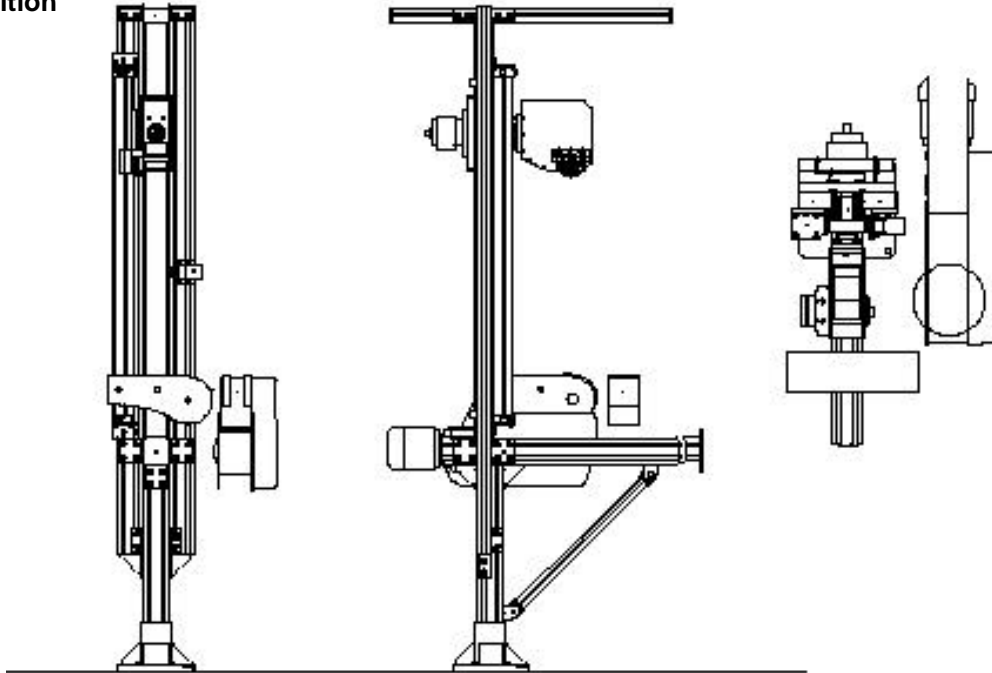
Incoming and outgoing conveyors are supplied together with a stop and pusher unit

Safety devices are not included. These must be specifically adapted for each customer and for each machine for maximum safety. FlexLink can supply safety devices in accordance with your specifications.

Enquiries

Enquiries about the FlexLink three-position elevator with turning function as described in this publication can be made at your local FlexLink office. The unit is assembled and tested in our workshop

Three position elevator



on delivery.

FlexLink can supply complete turnkey systems or units without control systems. In your enquiry please quote the publication number of the unit and state your technical specifications.

Publication number: Three-position elevator 990315 We will contact you with an offer along with drawings and assembly dimensions for your particular requirements:

Technical specification

- Dimensions: 700 x 300 x 1995 mm (LxWxH)
- Cycle time: 1.5 seconds per full stroke (Festo rod less cylinder).
- Lifting height: From 800-1700 mm
- Adjustable on assembly. Other strokes can be provided on request.
- Lifting capacity: total product weight 15 kg

When to use which elevator						
Size	Weight	Orientation	Elevator	Vertical	Drawing	Comments
10-25	0,01	Flat Rolling	Yes	No No	3919332 3938116	Light products requiring a controlled handling for secure function
25-65	0,2	Flat Rolling	Yes	Yes Yes	3919332 3938116	Light products requiring a controlled handling for secure function. Vertical transport is recommended for ideal products only
60-110	1	Flat Rolling	Yes	Yes Yes	3919332 3938116	Light products requiring a controlled handling for secure function. Both elev. types need size dependent tools. Vertical conveyor to be used for products under 5 kg in weight.
90-160	5	Flat Rolling	Yes	No No	3917057 3917880	Too heavy to be handled in a vertical conveyor. Sliding products can damage the conveyor.
130-240	15	Flat Rolling	Yes	No No	3917057 3917880	Too heavy to be handled in a vertical conveyor. Sliding products can damage the conveyor.

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MENU