

# Elevator

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## Vertical screw elevator for transporting fruits

- High throughput with a small footprint
- High reliability with low maintenance
- Efficient separation of water and dirt
- Fresh water cleaning if needed



### Application

The elevator is used in reception lines to transport fruits in a vertical direction. It is especially suited to overcome large differences in height, i.e. between flushing channels or sorting and grinding systems. In addition, the fruit will be cleaned in the lower part of the elevator.

### Design and functionality

The fruit is fed to the elevator opening via a conveying element. The sump is filled with water to assure careful handling of the fruit and, at the same time, to remove attached dirt. The fruits are caught by the

screw, transported vertically and discharged at the elevator head to the next unit. Water from the sump which has been dragged along is effectively separated from the fruits by centrifugal force and gravity and discharged through slotted separators. The separators are periodically manually cleaned from adhering grass and leaves.

The screw drive with three-phase-motor and V-belt is mounted at the elevator head. The separators are secured with proximity switches. Option: Additional fresh water

### Technical data Vertical Elevator 400

Diameter	400 mm
Length	max. 8'000 mm
Motor up to 5'000 mm length	4 kW / 400 V / 50 Hz
Motor up to 8'000 m length	5.5 kW / 400 V / 50 Hz
Capacity	max. 25 t/h

### Vertical Elevator 500

Diameter	500 mm
Length	max. 8'000 mm
Motor up to 6'000 mm length	11 kW / 400 V / 50 Hz
Motor up to 8'000 m length	15 kW / 400 V / 50 Hz
Capacity	max. 40 t/h

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### Products and Services

Process technology for fruit and vegetable processing to juices, concentrates and puree production, for brewing solutions, for filtration, for milk powder production, for the vacuum drying of liquid and solid products, for freeze drying of coffee, tea, fruits, vegetable, etc. Technology for municipal and industrial sludge dewatering and drinking water filtration

### Products

Fruit reception lines, mills, mash heaters, hydraulic presses, membrane filtration equipment, cold block equipment, adsorber, ion exchanger, evaporators and aroma plants, pasteurizers, CIP systems, vacuum and freeze drying cabinets and belt dryer, zeolite adsorber, complete processing lines

### Services

Process development and project engineering; assembly and commissioning; technical support; original spare parts; inspection; service contracts; retrofits; training; service and maintenance; NetService