

Reception Line



Equipment and machinery for the reception, cleaning and transport of fruit; primarily apples and pears

- Flexible and storage capacity
- Fast unloading of the trucks
- Easy to clean / hygienic set-up
- Low maintenance cost



Application

Bucher fruit reception lines for core fruit consists of unloading stations, fruit silos and dosing systems, as well as transporting water circuits and fruit/water separation units.

All equipment has a long service life combined with low maintenance cost and high reliability. One of the main focuses of the machines is the easy cleaning and the hygienic design.



Design and functionality

The apples will be emptied into underground silos and with the flushing water circuit the fruit will be transported to the dosing and separation unit. The dosing paddles separate the apples from the flushing water and allow adjusting the quantity of fruit into the vertical elevator. The elevator compensates the height between the flushing water

channel and any further processes. To improve the cleaning of the fruits additional fresh water can be injected into the elevator.

Prior to the mill the apples pass a roller sorting table and are cleaned with fresh water applied by spray nozzles. Leaves and small particles as well as flushing water are separated before entering the mill.

Technical data

The capacity of one processing line can be increased to 40t/h. All equipment is built from stainless steel 1.4301 (AISI 304). There are two sizes of vertical elevators available, diameters of 400 or 500 mm, depending on the capacity needed. The length is limited to 8 meter vertical height. The roller sorting tables are built in two sizes, 600 x 2'500 mm or 800 x 3'500 mm models.



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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