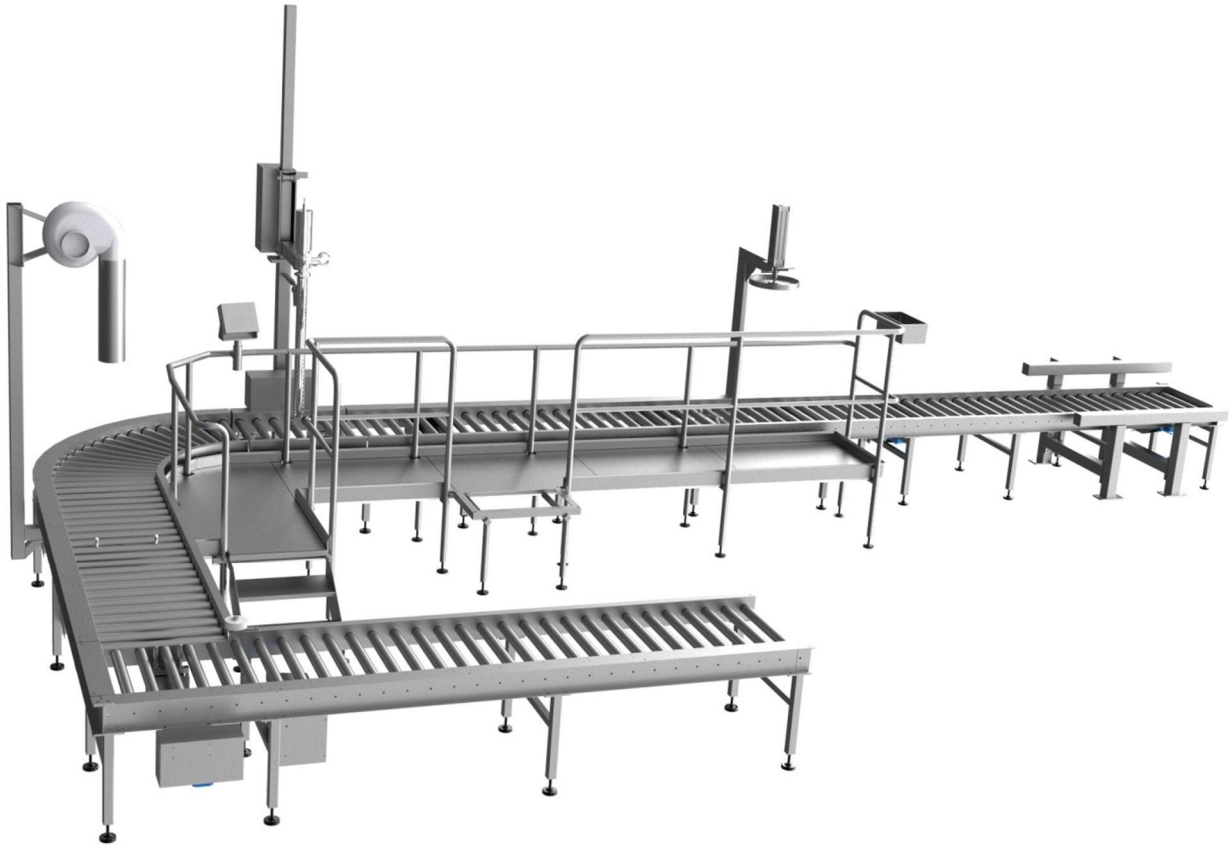




*Fluidor Equipment B.V. | Fluid, Drum & Containerhandling*

## **DRUM FILLING LINE**



## DESCRIPTION

System for efficient dynamic filling of 200 l drums with fruit juices or fruit juice concentrates/blends with a viscosity up to 15.000 cP.

A complete Drum Filling Line consists out of following process steps:

- Station for insertion of plastic bags or liners by means of a Bagblower.
- Drum Filling Station on loadcells with Filling Lance .
- Stop position for closing of bags/liners.
- Drum lid press for closing of drum.
- Pneumatic driven sliding doors to enter/exit a Clean Room.

Empty drums are loaded onto driven roller conveyor, enter the Clean Room and stop at position for manual insertion of plastic liner(s) by means of a Bagblower. The Bagblower is an electric driven airblower executed with airfilter for clean air inside bags/liners.

Drum with liner will be conveyed to the filling position, where the drum is positioned on a roller conveyor section equipped with 4 loadcells to control the weight of the product to be loaded.

The Filling Lance lowers by means of a frequency controlled electric motor into the drum and starts loading at full flow.

The position of the Filling Lance is automatically controlled by the loadcells and frequency drive to prevent foaming of the product, last part of loading is at low flow to achieve an accuracy of 0,5 kg.

Drum with product will be conveyed to next stop position for manual closing of liners, finally the drum will stop at the Drum Closing Station, where an operator positions the drumlid properly by means of a pneumatic press and secures the clamping ring by a pneumatic nutspanner.

Full drums leave the Clean Room through pneumatic driven sliding door.

## EXECUTION

- Stainless steel AISI 304. Except some standard trade components.

## CAPACITY

- Depending on drum infeed & product: up to 60 drums per hour.  
Available product pump must have a capacity up to 20 m<sup>3</sup> per hour.

## DRUM SPECIFICATION

- Dimensions drums:     Width: from Ø480 to Ø630 mm  
                                  Height: from 810 to 1.000 mm
- Max weight drums :     350 kg

