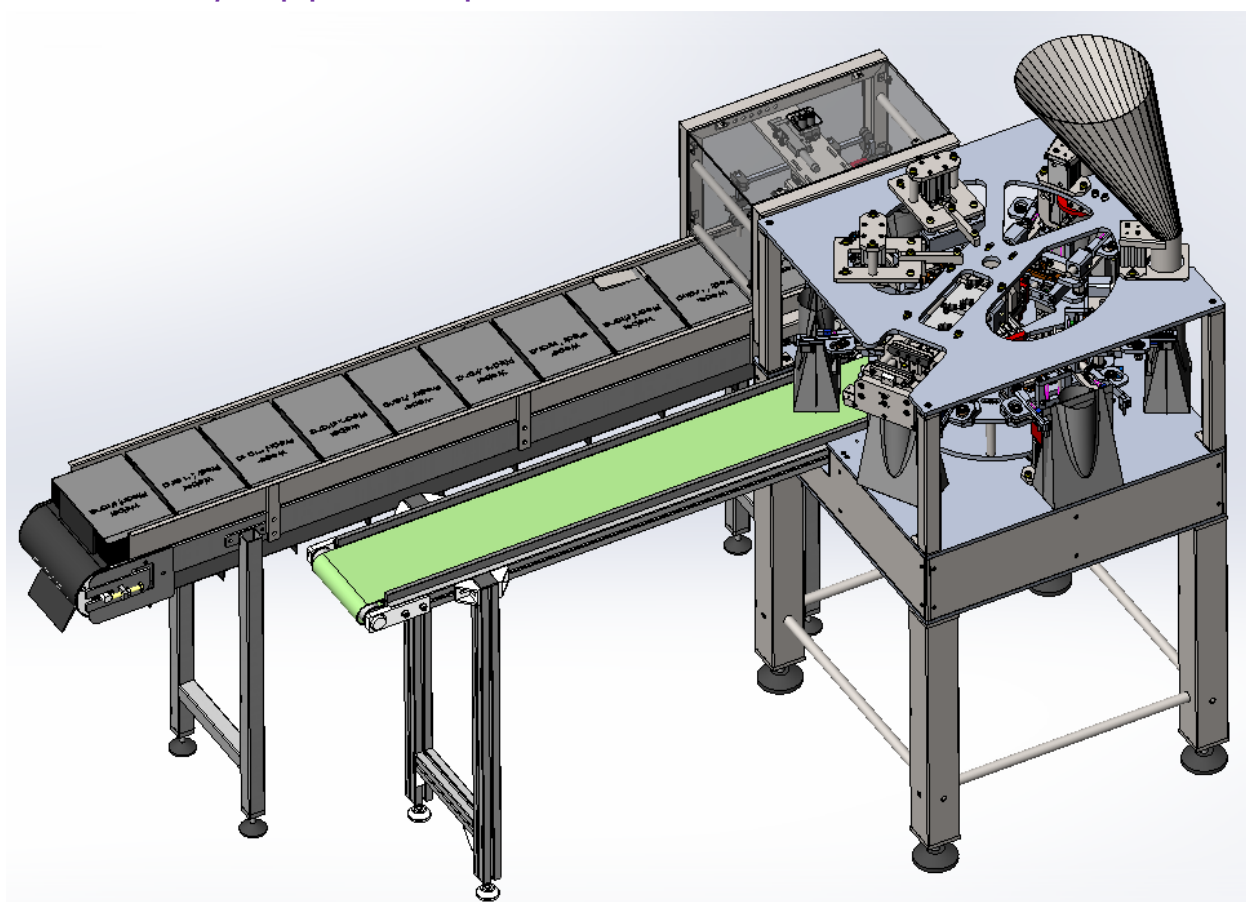


ATF – AUTOMATICAL FILLING LINE FOR DOSING AND FILLING OF PREMADE BAGS

EFFICIENT, FULLY AUTOMATIC FILLING LINE ATF SUITABLE FOR DOSING AND FILLING
LOOSE, PIECE AND LIQUID PRODUCTS INTO PREMADE BAGS

ADVANTAGES

- Efficient, reliable and variable fully automatic line for premade bags filling
- Easy operation and manipulation, compact and attractive design, minimal maintenance requirements
- Safety focus – in-built door safety features, emergency stop button
- PLC + HMI SIEMENS ensures fast and easy operation
- Possibility to store parameters for different bag sizes
- Visualisation of total and current number of filled bags
- Manipulator starts where last cycle finished after restart
- LED lighting for a better visibility inside the frame area
- Robust frame, line suitable for dosing and filling of premade bags, especially doypack type
- Possibility to equip with a date printer (InkJet)



SPECIFICATION

bag dimensions:	width - min 100 mm, max 220 mm / length - min 150 mm, max 320 mm
drive:	mechanical, pneumatical
mechanical output:	up to 1800 bags/ hr (30 bags/min)
output with dosing unit:	depending on the product type and filling amount
electrical connection:	3x 230/400 V, 3Ph +N + PE, 50 Hz, el. installation according to EN 60 204, IP55
power consumption:	approx. 2,0 kW in total
compressed air consumption:	ISO 8573-1 600 l/ min. (20 l/cycle) pressure 0,6-1,0 MPa
weight:	approx. 850 kg without dosing unit, silo, feeding conveyor
control system:	SIEMENS/ALLEN BRADLEY

LINE CONSISTS OF

FILLING ROTATION STATION - equipped with 6 positions: bag gripping, bag opening + forming, bag filling, bag closing and vibrating, bag sealing and bag exit.

position 1 – gripping



position 2 – opening/forming



position 3 – product filling



position 4 – closing, vibrating



position 5 – sealing



position 6 – bag exit



DOSING UNIT – suitable for filled product, located on a robust holder with safety covering.

CONVEYOR – transport of empty bags, individual compartments.

EXIT CONVEYOR – straight belt for transport of filled bags from filling station.

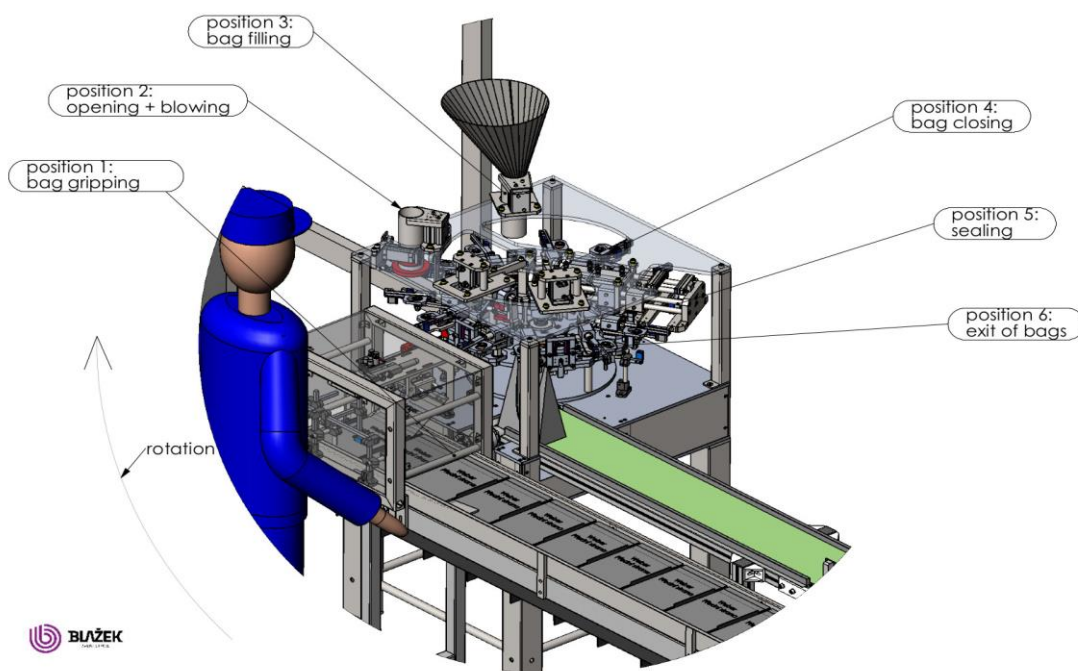
ROTATING TABLE – cumulating of filled bags, further manipulation.

SILO – storage of product (optional).

FEEDING CONVEYOR – Z-shape, transport of product from silo to hopper of dosing unit (optional).

OPERATION CYCLE

- operator inserts empty bags into individual compartments of bag feeding conveyor
- feeding conveyor transports bags to automatic feeder
- automatic feeder removes top bag by suction cups and manipulation arm displaces bag to position 1 of the rotating carousel/filling system (6 positions)
- bag is opened and formed in position 2, filled with product in position 3, closed and vibrated in position 4 and sealed by cross sealing jaws in position 5. Bag is then released onto exit conveyor in position 6 that transport filled bags for further manipulation.
- line may be also equipped with silo for product supply and feeding conveyor transporting product from silo to hopper of suitable dosing unit
- line is equipped with suitable dosing unit



Illustrative drawing of automatic filling line ATF

