

VFFS Machine
“V5/10 Special”
for pellet/granular products



1100 bags per hour
HIGH SPEED



VFFS Machine "V5/10 Special" for pellet/granular products

Our packaging machine makes PE-bags starting from flat foil film reels, using impulse sealing bars, then weighs/doses the desired quantity of products; finally, the bag is filled with product, seal closed and delivered to the outfeed conveyor.

PACKAGING UNIT

- Pneumatic-based main movements.
- Parts in contact with product in stainless steel.
- Longitudinal sealing bar with independent pneumatic movement, manageable directly from the HMI.
- Transversal sealing bars with independent pneumatic movement, capable of providing maximum reliability, closing force and positioning precision, thanks to the levers planarity configuration in closed position.
- Bag length easily adjustable, with several options: by time, with eyemark sensor, encoder, encoder + eyemark sensor.
- Welding control on each sealing bar to guarantee the bags perfect closing and to have constant and homogenous temperatures.
- Welding cooling on film using constant-temperature water circuit.
- Equipped with power electrical cabinet and air RFL and EV subsystem.
- Control unit integrated in the main cabinet, with PLC and HMI to manage all parameters and functionalities, the recipes, alarms, messages, diagnosis.

DOUBLE WEIGHING UNIT

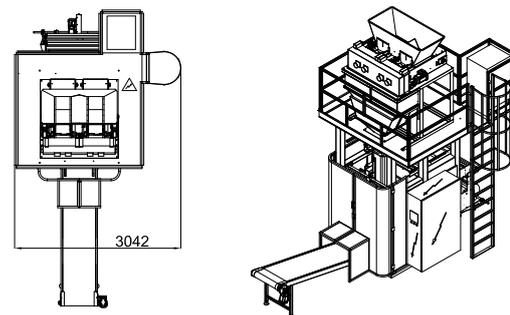
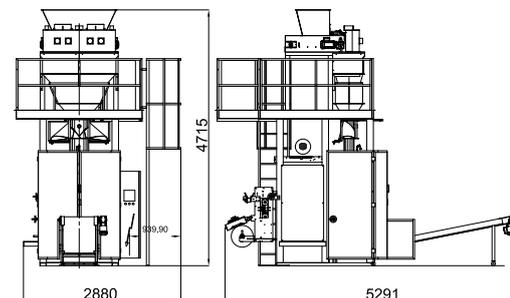
- Double Variable speed gross weight belt.
- Product flow control.
- Product level sensor selected to match target product characteristics, to avoid having half-filled bags.
- Product scraper under the gross weight belt to continuous cleanliness.
- Stainless steel load cells.
- Product buffer via timing hopper



- Control functions integrated within the packaging unit HMI to have maximum efficiency:
 - a) Weight setup and parametrization;
 - b) Automatic tare functions;
 - c) Automatic control of trailing weight;
 - d) Optima cycle setup memorization;
 - e) Non-underweight functions.

BAG DETAILS

- Lateral gussets.
- Fast air residual exhaustion inside the bag using needles punch "comb" and/or rolls devices.
- Product compacting device underneath the sealing bars.



TECHNICAL DATA

Max bag dimensions (flat bag)	500xh.1000 mm
Max film width	1050 mm
Max bag volume	50 Lt
Performance	up to 1100 bags per hour
Power supply	10 Kw.
Tension	400V 3F+N+PE
Air supply	650 NL/1' @ 6 bar
Water supply	2lt/min

V.A.I. S.r.l

Via Staizza 54,
31033 Castelfranco Veneto TV / Italy
T. +39 0423 722836
info@vai-packaging.it