

VETTA

Vertical Form Fill and Seal machine



GENERAL DESCRIPTION

The Vetta vertical, form, fill and seal machine has been designed to make bags from reels of flexible materials (laminated materials, such as polyethylene + polyester, polyethylene + paper, polypropylene as well as simple polyethylene).

The working principle is split in two main functions:

- ◆ *Film unwinds and films tracking*
- ◆ *Sealing of the bags*

The film unwind system is composed by two vacuum belts, working in contact with the forming tube, which pull and measure the length of the film.



The sealing system is composed by a vertical sealing bar and two cross sealing bars, heated by means of cartridges; the temperatures are controlled by electronic thermoregulators.

The film pulling speed, the sealing time and the temperatures can be individually set and can be varied independently among one another.

TECHNICAL SPECIFICATIONS

To ensure the highest level of reliability, the Vetta vertical, form, fill and seal machine, uses brushless motors for both the film pulling/measuring of the film and for the opening and closing of the sealing dies; only the other minor functions of the machine are pneumatic (longitudinal sealing bar, knife, stager etc.)

Intermittent machine

Stainless steel construction (Aisi 304) and anodised alloys (made exception for castings and commercial components).

Self-adjusting photo eye and detection window for film with no spot.

Siemens Plc
Resistive Touch Screen with coloured display 10"

Programme memory up to 100, for all products parameters

Alarms handling with Help on Line

Protection degree: IP 54
Noise level: < 70 decibel on A scale
CE marking

MAIN FEATURES OF THE MACHINE DESIGN

The Vetta vertical, form, fill and seal machine has been designed in the respect of the following criteria:

- 1. Modular machine**
- 2. Easy of access for maintenance and daily cleaning**
- 3. Quick changeover without tools**
- 4. Ergonomic buttons on the touch screen and self-diagnostic**
- 5. Operating reliability**
- 6. Reduced maintenance**
- 7. Hermetic seals**
- 8. Accurate cut-off (+/- 1 mm. tolerance)**
- 9. Good value for money**
- 10. Medium / high market positioning**

PERFORMANCE

Machine range:(model Vetta 3348)

*Max. Bag width 330 mm. - Bag length 480 mm.
(600 mm. with double pull)
Max. Web width 700 mm.
Reel max. outside diameter: 460 mm.*

*Machine mechanical speed: 120 cycles/minute
Efficiency on the number of bags produced: 20/10000
Oxygen residual in the bags: below 1%*

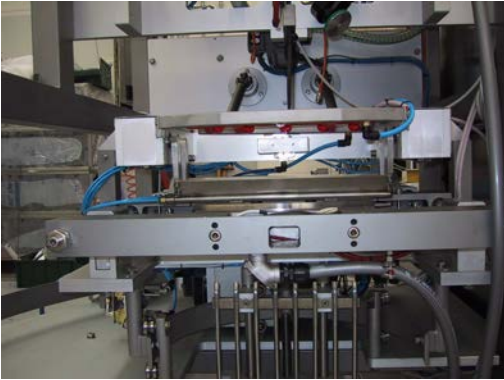
The final production speed depends always on:

- *Type of product*
- *Type and style of bag*
- *Quality of packaging material*
- *Feeding system*

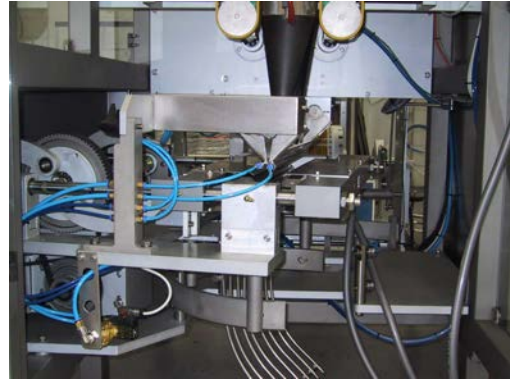
PRODUCT FEEDINGS

- *Linear or multi-head weighers*
- *Volumetric fillers*
- *Auger fillers*
- *Pumps*
- *Counters*

DETAILS OF THE VETTA



Dies in standard position



Rotated dies



Vacuum pull belts



Printer



Unwind system



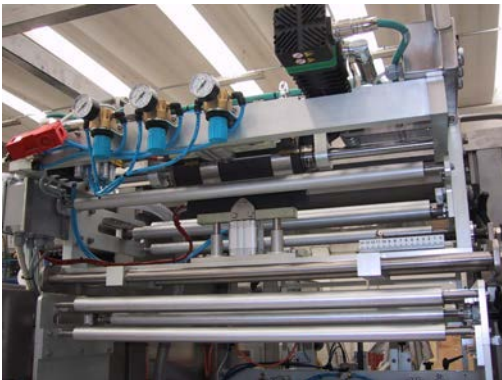
Splice assist device



Vetta control box



Zip in line unit



Zipper applicator



Jaw for zipper



Tape dispenser for recloseable bag



Touch screen

Mario Latronico
BG PACK S.p.A.

STYLE OF BAGS :

Vetta with dies in standard position :



- **Standard pillow bag**



- **Standard pillow bag with euro hole punch**

- Pillow bag with double gusset



- Pillow bag with pre-perforation



- Pillow Poly bag



- **Standard block bottom bag**



- **Block bottom bag with 4 vertical seals**



Flex can (Recloseable by tape)

Vetta with dies in standard position and Zipper applicator :



- Pillow bag with cross web zip



- Pillow bag with cross web zip plus euro hole punch



- Block bottom bag with cross web zip

Vetta with rotated dies :



- **Pillow bag with off-set vert. seal**



- **3 side seals bag**



- **3 side seals bag with euro hole punch**



- **3 side seals stand-up bag**



- **Flat bag** –(Recloseable by tape)



- **Flat bag with euro hole punch**
(Recloseable by tape - Bg Pack patented)



- **Stand up bag** –(Recloseable by tape)



- **Stand-up bag with euro hole punch**
(Recloseable by tape - Bg Pack patented)

SPECIAL APPLICATIONS :



- 4 bags with 4 diff.length and 4 diff. products



- **Pillow bag** (bag in bag)



- **Pillow bag with idrosolubile film**



- **3 Side seals for liquids**



- **3 Side seals with label**



Block bottom bag (special cut profile)

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