

G 327

IN-LINE ULTRASONIC SEALER
FOR VALVE BAGS



PAGLIERANI

mechatronics at its best

Paglierani World

Paglierani offers you
10 fundamental
benefits
for strengthening
your business.



SINGLE PARTNER

From a single machine to a complete line, from a simple standard system to a custom solution, Paglierani is your single partner to **reduce costs and risks** in the realisation of a high-performance plant.

99.9% RELIABILITY

Standard machines industrially constructed, almost a century of know-how in the weighing and bagging field are your guarantees of **high-performance and reliable machines**, perfectly **coordinated** with **the upstream and downstream machinery**.



3

EVEN IN AGGRESSIVE ENVIRONMENTS

For use in aggressive environments, the machines are treated with **anti-corrosion painting** cycles and the parts in contact with the product are in **stainless steel**, nuts and bolts included.



4

SAFETY AND REGULATORY COMPLIANCE

Perimeter protection and light curtains guarantee the most complete **extrinsic safety** while **intrinsic safety** is ensured by the machine's construction type.



5

ITALIAN MADE

All Paglierani products are **designed, produced and assembled in Italy**, in our plants. With an all-Italian know-how to guarantee the highest quality level.



6

REFERENCES ALL OVER THE WORLD

Our installations have been improving our customers' business **since 1926**. Almost a century of experience in the field and hundreds of **references across the globe**.



PRE-SHIPMENT TESTING

Prior to shipment, all machines are **pre-assembled, connected and tested**. Thus ensuring their proper functioning and high performance. During this procedure, **the customer may attend all tests**.

USER-FRIENDLY & SMART

Machines and complete lines that are **easy to use, quick to clean and simple to maintain**. Constantly monitored remotely with the **on-line service**.

TECHNOLOGY AND SUSTAINABILITY

Our machines are designed to guarantee **optimal use of energy** and deliver the highest performance with **minimal consumption**.

ORIGINAL SPARE PARTS. ANYTIME AND ANYWHERE

The high and constant availability of original spare parts, **guaranteed for machines' entire lifecycle**, makes Paglierani a totally reliable partner, with **fast deliveries anywhere in the world**. And your business is guaranteed to never stop.

What does “ultrasonic sealing” mean?

Ultrasonic sealing is a sealing method that uses high-frequency ultrasonic vibrations to generate localized heat and melt the bag's valve material, sealing the flaps.

This process is particularly useful for **paper bags with an internal thermoplastic valve**, as it allows the valve to be sealed without the use of adhesives or external heat.



ANIMATION

Advantages of the ultrasonic sealing for the closing of the valve.



Quick and efficient closing, with welding times in the order of milliseconds.



Hermetic sealing, which prevents product leaks and improves content protection.



Greater cleanliness of the process, avoiding residues of glue or other sealing materials.

APPLICATIONS

Where is it used?

This type of closure is often used in sectors such as the food, chemical, and building materials industries.



FOOD INDUSTRY

**Flours,
sugars,
starches**



CHEMICAL INDUSTRY

**Chemical powders,
additives, sensitive
powder materials**



BUILDING MATERIALS

**Cement,
adhesives,
plaster**



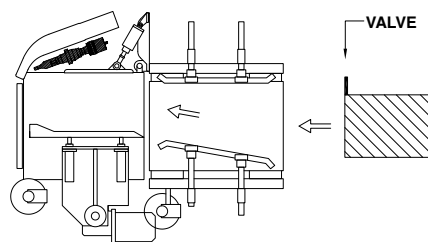
CONSTRUCTION FEATURES

RIGHT OR LEFT CONSTRUCTION WITH COMPACT DIMENSIONS

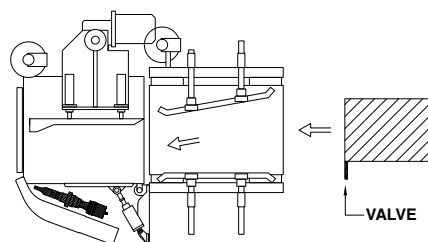
Right or left construction according to the direction of the bag valve.

700 mm long and only **1300 mm** wide.

DX



SX



ELECTRICAL EQUIPMENT

Electrical control equipment in an IP 54 dust-protected case and governed by a PLC.

VERTICAL BARRIER

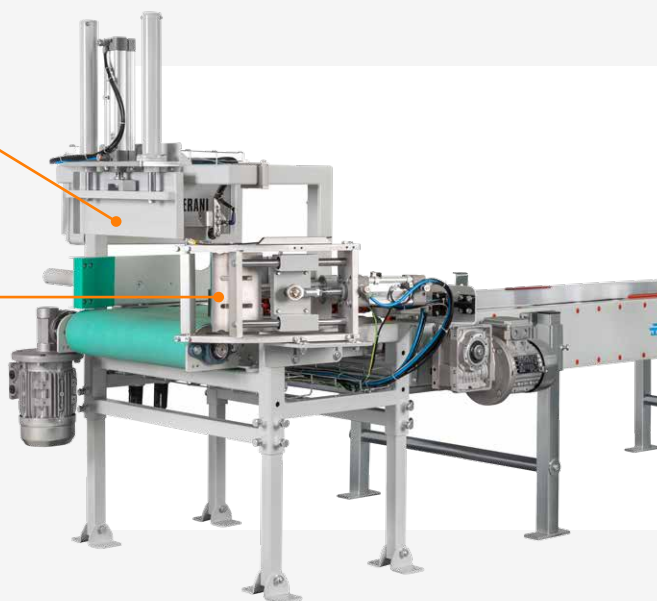
With vertical control, to stop the bag in place.

SONOTRODE

For the ultrasonic sealing.



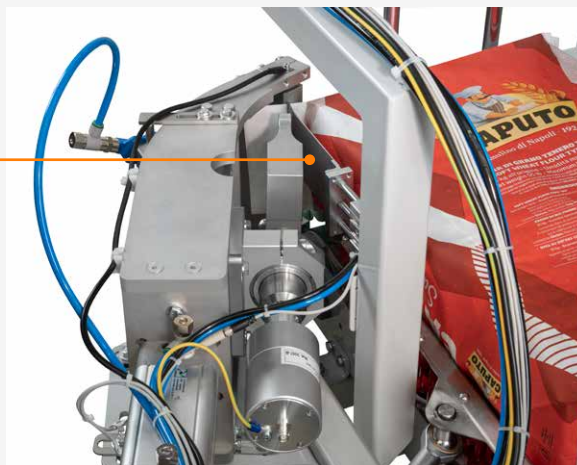
VIDEO



CONSTRUCTION FEATURES

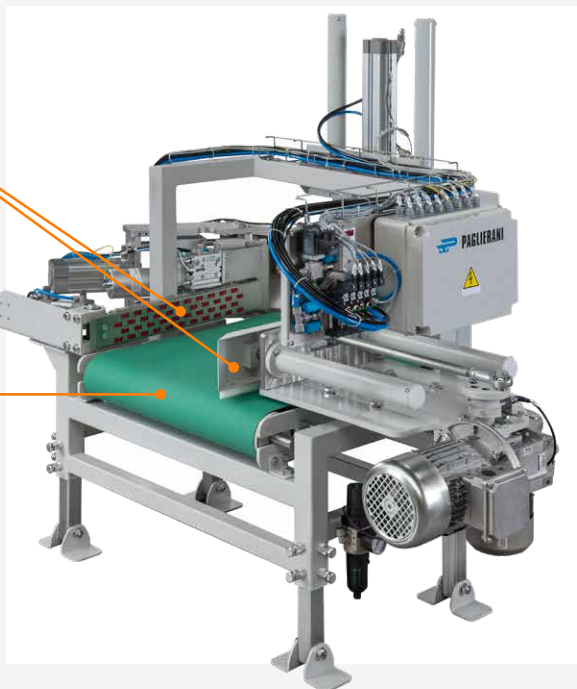
VALVE STRAIGHTENING SYSTEM

For a perfect positioning in the sealing area.



ADJUSTABLE BAG GUIDES AND PUSHER

For introducing the bag valve in the sealing area.
The control is motorized.



MOTORIZED CONVEYOR CONTROLLED BY INVERTER

To adjust the transport speed so as to make it universally adaptable to the required capacities, as well as to adapt to be inserted into existing lines.



PAGLIERANI

mechatronics @ its best

WEIGHING, PACKING FILLING, PALLETISING & STRETCH WRAPPING SYSTEMS.

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