



VIDEO

OMNIVA

**HIGH-PERFORMANCE AUTOMATIC
STRETCH HOODING MACHINE**



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.



AUTOMATIC STRETCH HOODING MACHINE WITH STRETCH FILM FOR THE PROTECTION OF PALLETIZED LOADS.



> OMNIVA, the Paglierani automatic stretch hooding machine with stretch film, offers a new concept of protection of goods and great advantages in terms of load stability and safety. It's ideal for:

**PALLETS
STORED
OUTDOORS**

**UNSTABLE
LOADS**

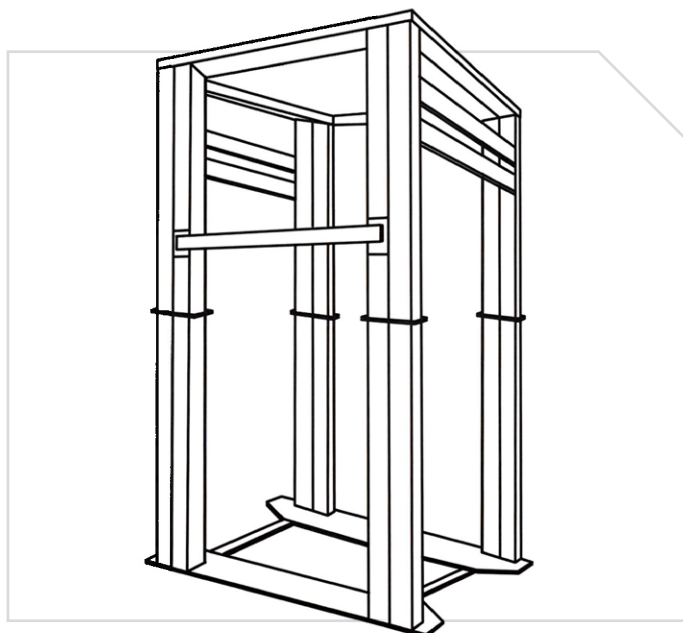
**AESTHETICALLY
PERFECT
PALLETS**

ADVANTAGES

1

UNBEATABLE ROBUSTNESS

For industrial applications.
For less maintenance.
For added durability



2

HIGH PERFORMANCE

Over 70 pallets/hour
with consistent capacity
performance and
responsiveness
to its functions.



3

GREAT AUTONOMY

Large-diameter coils
and even two coils
simultaneously
can be used
(the second coil is optional).

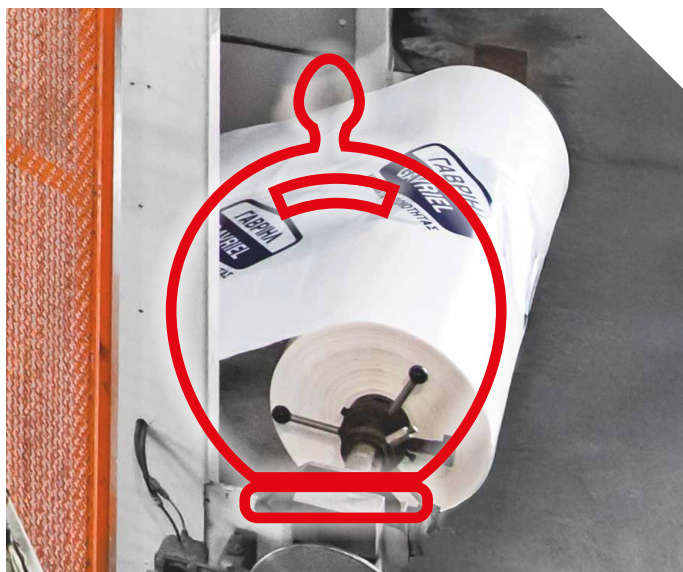


ADVANTAGES

4

LOWER FILM CONSUMPTION

One of the advantages is lower film consumption than traditional wrapping.



5

ELECTRIC PANEL ON BOARD

No cables on the floor, no extra bulk. A machine so complex yet simple and ready for start-up.

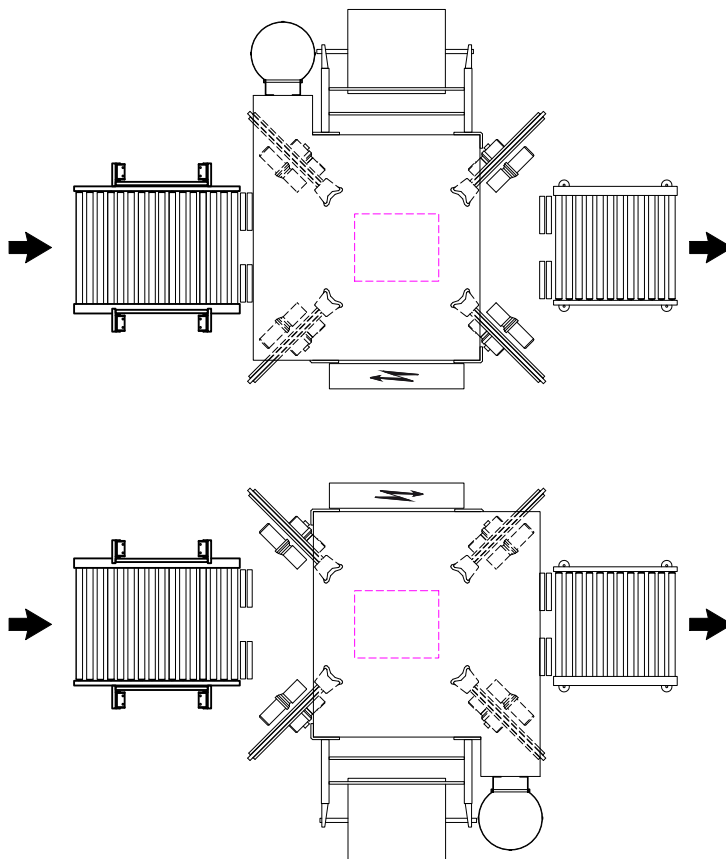


ADVANTAGES

6

RIGHT OR LEFT VERSION

Specular, to ensure the simplest installation, adapting to your facility.

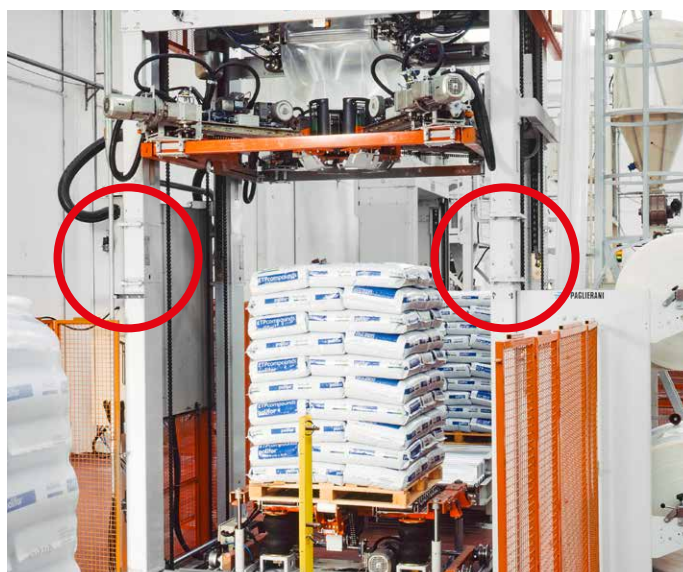


7

MODULAR STRUCTURE, DISMOUNTABLE FOR TRANSPORT

To facilitate transportation and reduce costs. The machine is shipped in two parts, fully assembled and pre-wired.

The connection points between the two parts are highlighted in red.



8

TOTAL PALLET PROTECTION

Maximum load protection from water and the most common damages such as handling. Moreover, and not least, algae do not form on the outer surface since the hooding is made from a single, ironed sheet.



9

HIGH AESTHETIC RESULT

The film remains evenly stretched around the load and fits it like a glove. The pallets are fully finished. The hood can be transparent or decorated with your logo and can be completely washed if necessary, after being stored in a dusty place or outdoors.



APPLICATIONS

The OMNIVA automatic stretch hooding machine is the perfect solution for protecting palletized loads that must be stored outdoors, transported into open trucks, or for unstable loads. It provides waterproof, fully protected, and aesthetically pleasing pallets.

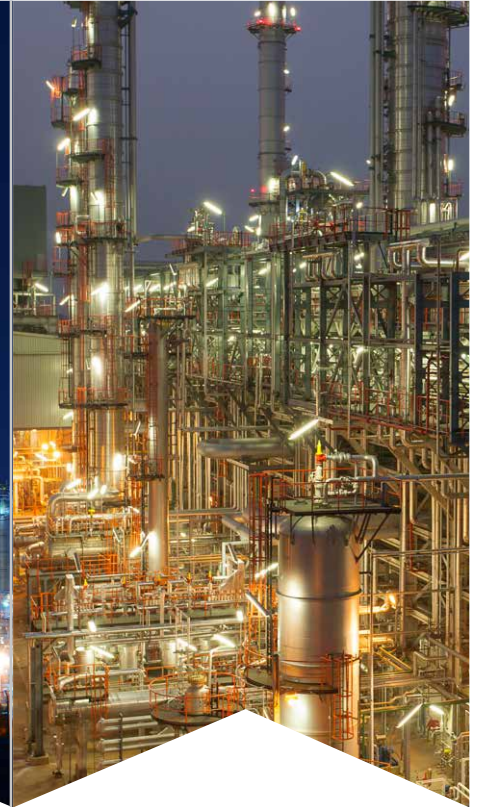
OMNIVA is ideal for many industries, from food, to mining, to chemicals.



**PRODUCTS
FOR CEMENT FACTORIES
AND FOR CONSTRUCTION**



**PRODUCTS
FOR THE PETROCHEMICAL
INDUSTRY**



**PRODUCTS
FOR THE FERTILIZERS
SECTOR**



STRETCH HOODING TECHNOLOGY

> WORK PHASES

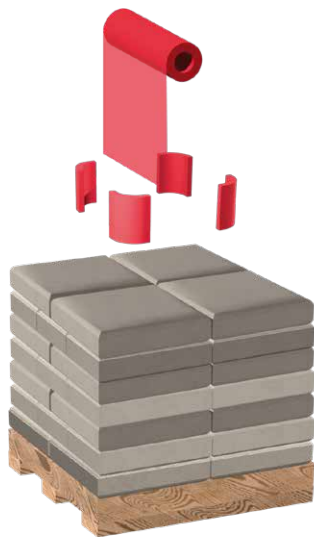
The hooding process involves stretching the flexible protective film and then releasing it at the lower end of the pallet so that its natural elastic properties make it adhere perfectly to the load.

This operation is completely automatic and OMNIVA adapts to the different pallet heights without operator intervention.

In this way the load is protected in total automation.



1



Film unwinding

2



Film cutting and hood welding

3



Preparation of the hood

4

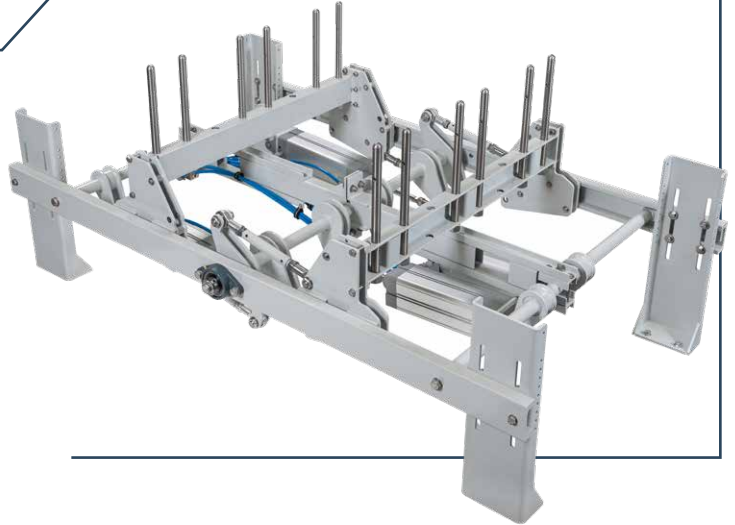


Application of the hood

GENERAL CHARACTERISTICS

PALLET CENTERING DEVICE

A pair of pneumatically controlled centering devices aligns the filled pallet, making it ready to be hooded.



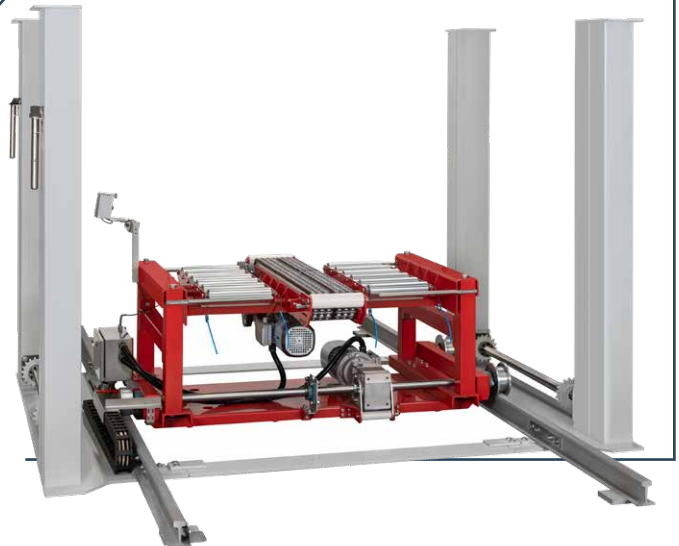
FULL PALLET CENTERING DEVICE WITH MOTORIZED ROLLER CONVEYOR

The motorized roller conveyor for transferring the full pallet is located above the full pallet centering device. The roller conveyor is driven by a gear motor, while the rollers are driven by a chain.



MOVING CARRIAGE

Its task is to pick up the full and centered pallet and move it to the hooding area, as well as to unload it to the parking area once hooded. The carriage slides on rails. The special shape of the roller conveyor ensures total hooding, right under the pallet.



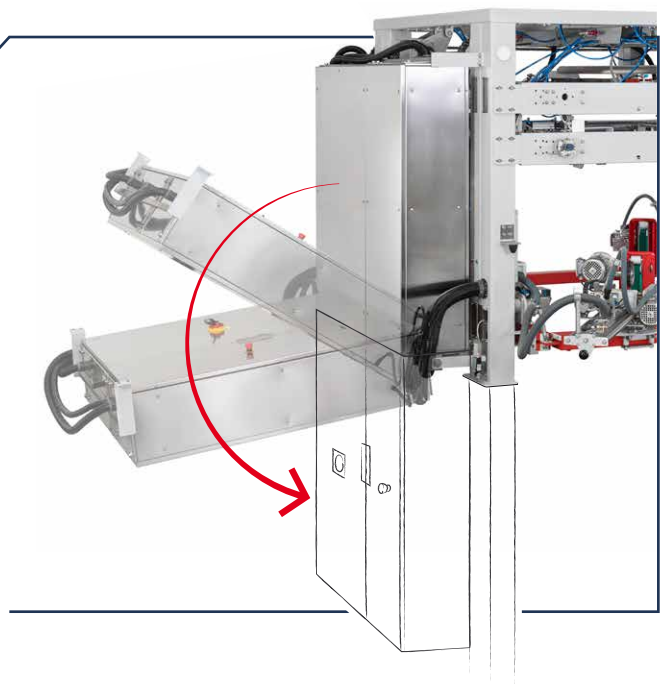
GENERAL CHARACTERISTICS

ELECTRICAL EQUIPMENT AND OPERATOR TERMINAL

It is mounted on board the stretch hooding machine, with degree of protection IP 54. It includes the power section, the inverters, and the PLC control.

A control unit with touch controls guarantees the human/machine interface.

The electrical panel is completely mounted on board with a pivoting linkage for shipping.



REEL HOLDER

Easy access for the hooding reel replenishment.

The reel attachment is simple, using two simple hand-operated rings, without the need for tools.



GENERAL CHARACTERISTICS

FILM UNWINDING DEVICE

The film unwinding device is an essential device:

- it unwinds the film from the reel in a uniform and controlled manner;
- it accurately measures the amount of film needed to cover the pallet, ensuring optimal material consumption;
- it cuts the film to the desired length to form the hood,
- it closes (welds) the film at the top, creating a hood that will compactly and protectively wrap the load.

Access is secured by a walkable platform reachable by a ladder.
All in accordance with safety standards.



FILM TENSIONING ARMS

The four arms grip the film, which has been cut and sealed at the top.

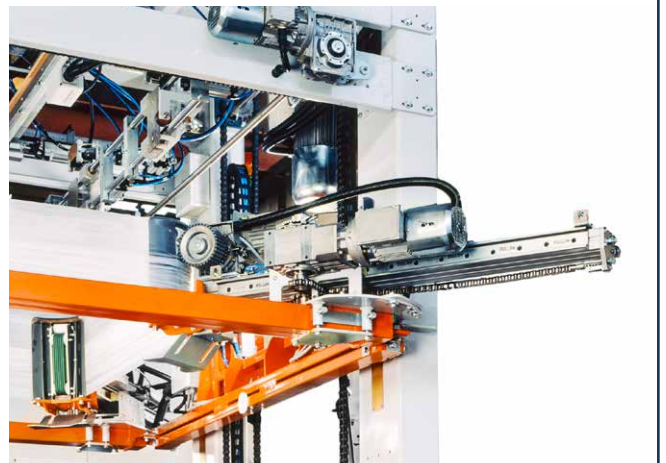
The film is then curled downwards, forming a hood ready to be laid out on the pallet.

The tensioning force is adjusted via the touch screen control panel, allowing a precise application, tailored to the size of the load.

The film is pulled and stretched in a controlled manner to ensure stability and adherence to the pallet.

Advantages:

- Adjustability of the arms: allows adaptation to different pallet sizes.
- Precise control of the stretching force, reducing the risk of film breakage and ensuring uniform protection of the load.



GENERAL CHARACTERISTICS

COMPLETE HOODED PALLET

- Compact.
- Stable: the stretch hooding film ensures a high resistance and prevents the bags from shifting during transport.
- Waterproof: the cover protects the bags from humidity, dust, and atmospheric agents, making it ideal for outdoor storage.
- Beautiful (aesthetically pleasing): with a professional and clean look, enhancing the product's image.



SUPPORTING STRUCTURE FOR ALL DEVICES

- Divided into independent units or modules that can be easily combined or replaced, allowing for flexibility and customization.
- Compactness: small and optimized dimensions.



ACCESS STAIRCASE AND PLATFORM

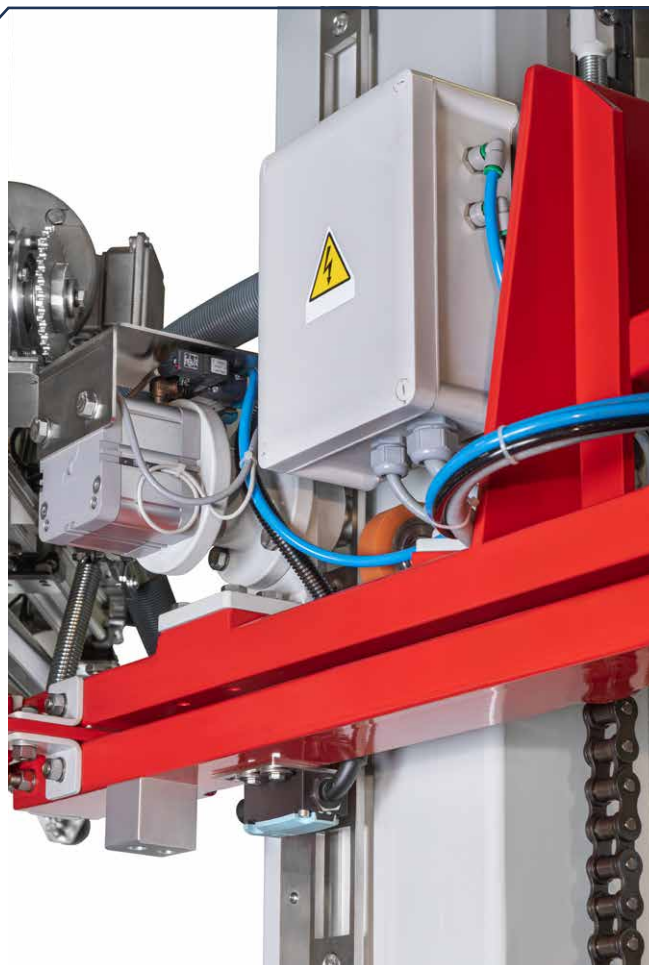
To ensure accessibility to the elevated area for maintenance of machine parts.



GENERAL CHARACTERISTICS

ANTI-FALL SAFETY

In case of maintenance and/or breakage of the lifting/lowering chains, the hood-applying carriage stops immediately, ensuring safety.

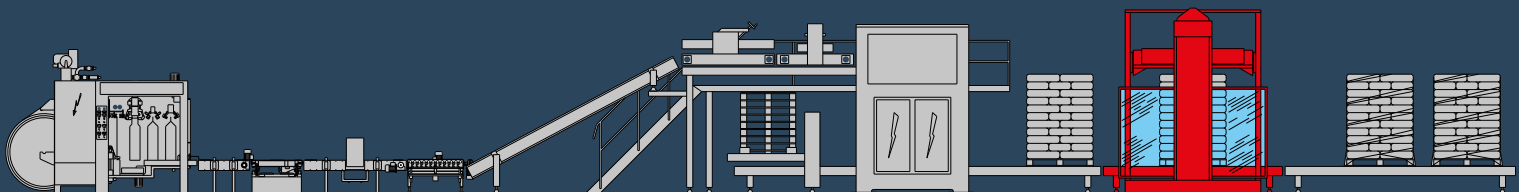


WRAPPING AND HOODING

To maximize your business,
discover the differences
between wrapping and hooding.



PAGLIERANI: A LINE COMPOSED OF STRONG POINTS.





PAGLIERANI

**WEIGHING, PACKING FILLING, PALLETISING &
STRETCH WRAPPING SYSTEMS.**

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