

BB

BIG BAG WEIGHING-BAGGING 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.



ITALIAN MADE

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.



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**.

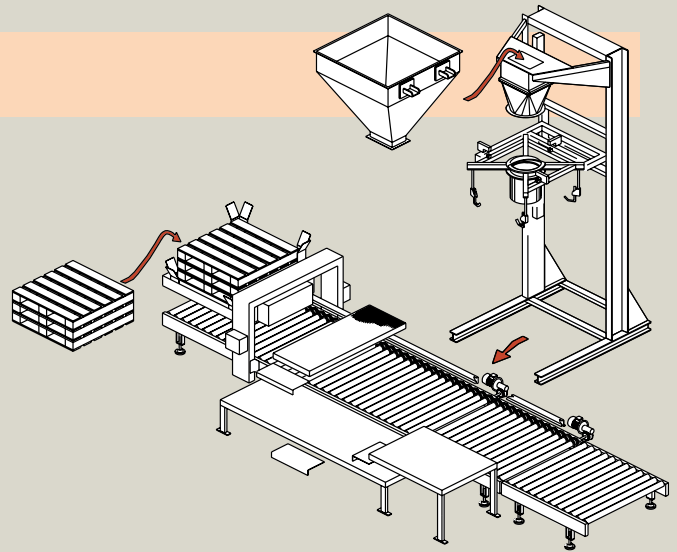
ORIGINAL SPARE PARTS. ANYTIME AND ANYWHERE

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.

BB big bag weighing-bagging machine: weighs and fills big bags simply and effectively.

MODULAR CONSTRUCTION.

From the simplest system (which just performs weighing and filling) to the full package (with wooden pallet dispenser and device for accumulating full big bags leaving the line). Completely modular construction facilitates add-ons to optimise efficiency and minimise investment costs.



Easier use, more reliable results.

SUSPENDED BIG BAG WEIGHING AND FILLING.

- This procedure guarantees fast, complete big bag filling.
- It eliminates the risks of on-the-ground weighing, ruling out collisions and possible damage to weighing components during big bag loading and unloading.
- It provides the operator with a more convenient, efficient working position.
- It speeds up and simplifies maintenance by giving easy access to all devices.

HYDRAULIC RAISING AND LOWERING.

- This device enables automatic position adjustment the use of big bags of different heights.
To change size, the operator has only to set the final weight required.
- It facilitates engagement of the empty bag, as the bag support device can be lowered to within reach of the operator.
- It allows the bag to be raised and lowered in the middle of the filling cycle to settle the product ('bag shaking' effect).

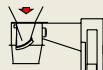
FREE-STANDING MONOLITHIC STRUCTURE.

- Requiring no supports, it can be moved around easily (if necessary).

CHOICE OF PRODUCT FEED SYSTEMS.

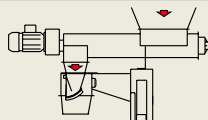
BB-A

gravity
for free-flowing
granular products.



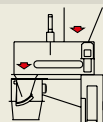
BB-C

auger
for powders.



BB-N

belt
for coarse
and chip products.



BB-VS

rotary valve
for specific
applications.



Enclosures are not shown to provide a clearer view.

HYDRAULIC WEIGHING UNIT RAISING AND LOWERING DEVICE.

This keeps the big bag suspended by its straps during weighing and filling.



VIDEO



Bag presentation.*



Filling.*



Deposit of big bag for transfer.*

* Enclosures are not shown to provide a clearer view.

DUST EXTRACTION CONNECTION.

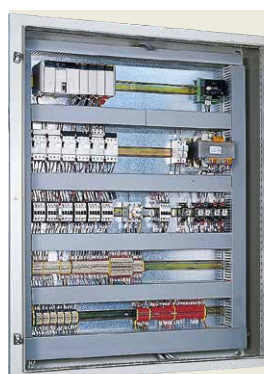
For connection to dust extraction system.

PERIMETER ENCLOSURES.

To ensure the operator's safety and comply with international standards, perimeter enclosures with access door are provided.

ELECTRICAL EQUIPMENT.

With PLC (programmable logic control), mounted on the machine.

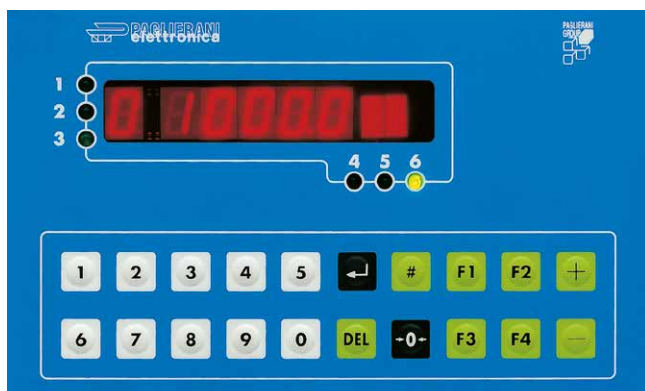


BASIC MACHINE.

The photo shows the basic machine in the simplest version (without roller ways). Compact and complete with everything needed to do the job effectively and efficiently.



3 LOAD CELL WEIGHING DEVICE.



Weighing control unit MID-approved in accordance with OIML standards.



Detail of connection of weighing load cells.

BAG HOLDER ASSEMBLY.

Standard big bag hanging hooks with manual release. Pneumatic hooks for automatic strap release: 2 or 4 may be used depending on the type of big bag processed. The two rear hooks pivot to facilitate bag engagement by the operator.



MONOLITHIC STRUCTURE.

Rugged, free-standing on the floor, with dimensions to suit the largest big bags for filling.



CONNECTING BELLOWS.

The fixed part (product feed system) and moving part (bag holder assembly) are connected by a telescopic bellows that ensures a hygienic airtight seal and prevents the dispersal of airborne particles in the workplace.



OPERATING MODES AVAILABLE.

STANDARD MANUAL OPERATION.

The big bag is raised and lowered using manual controls; filling (with fine jet only) stops if the bag filling button is released.

STANDARD AUTOMATIC OPERATION.

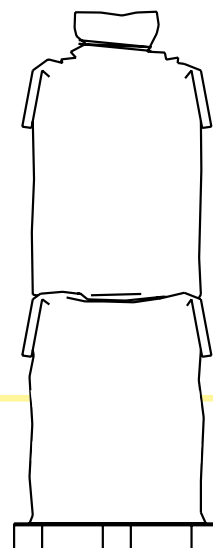
Once engaged by the holder assembly, the big bag is raised automatically and then filled (with two weighing flow speeds, fast and slow). When the final weight is reached, the bag is automatically lowered and placed on the ground.

AUTOMATIC OPERATION WITH BAG SHAKING (OPTIONAL).

The cycle already described is completed with the bag shaking phase. The big bag is placed on the ground for filling to the maximum capacity.

STACKING OPERATION (OPTIONAL).

The hydraulic lifting device enables stacking of two or more big bags.



BBS Model. SIMPLE, INEXPENSIVE VERSION WITH HOIST.

Cheap & cheerful!

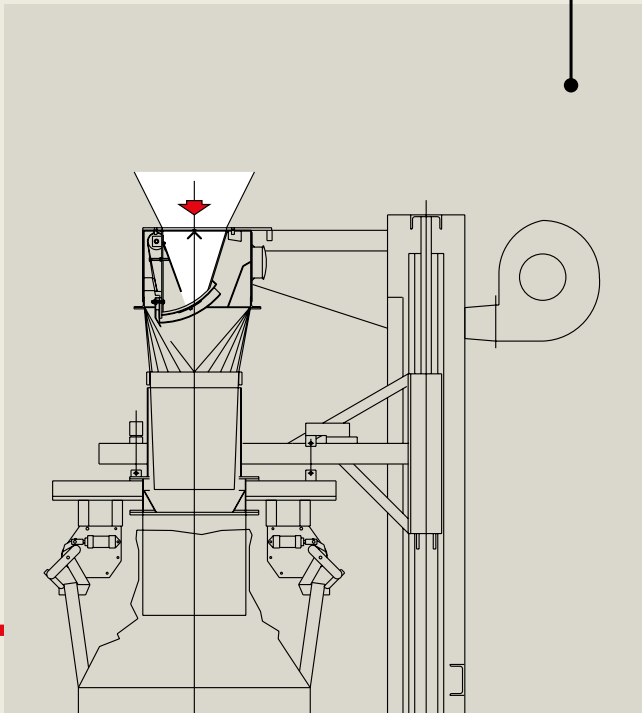
A simple, inexpensive version for low production rates, where lifting and lowering are by means of an electric rope hoist (instead of the hydraulic cylinder).

The operator controls raising and lowering from a control board.



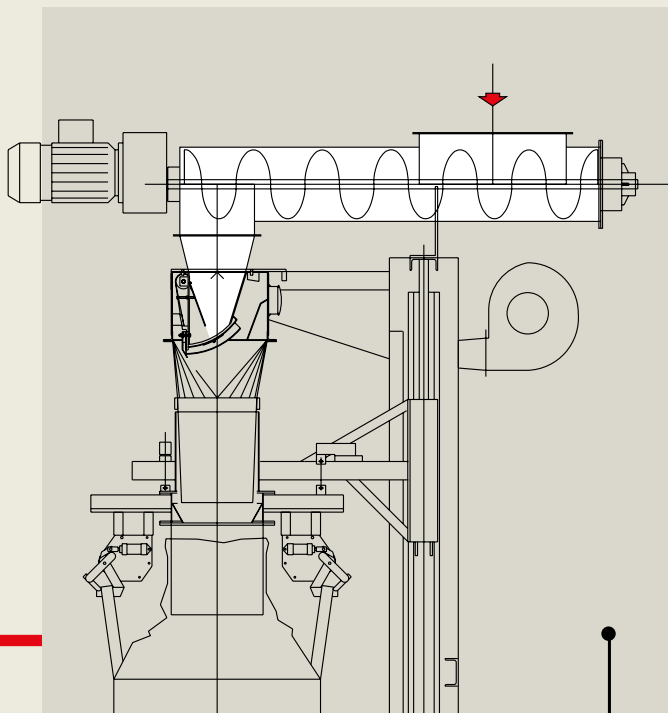
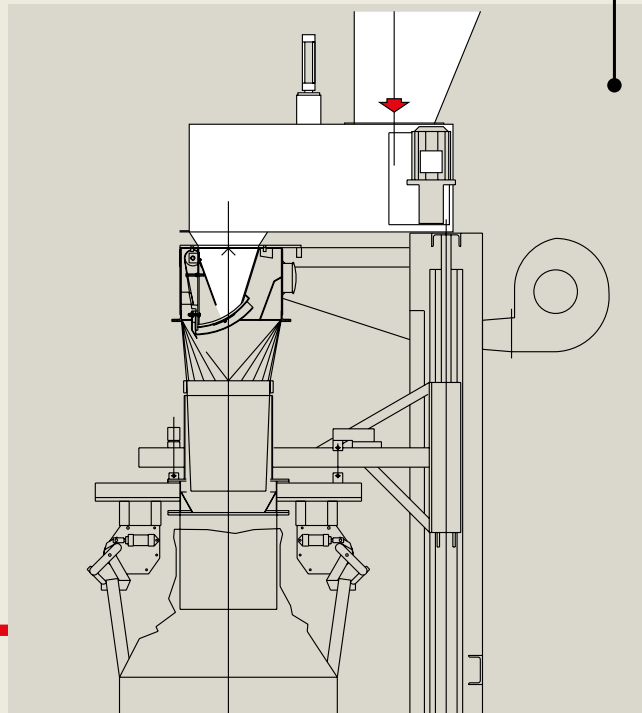
BB-A (BBS-A)

GRAVITY
FOR FREE-FLOWING
GRANULAR PRODUCTS



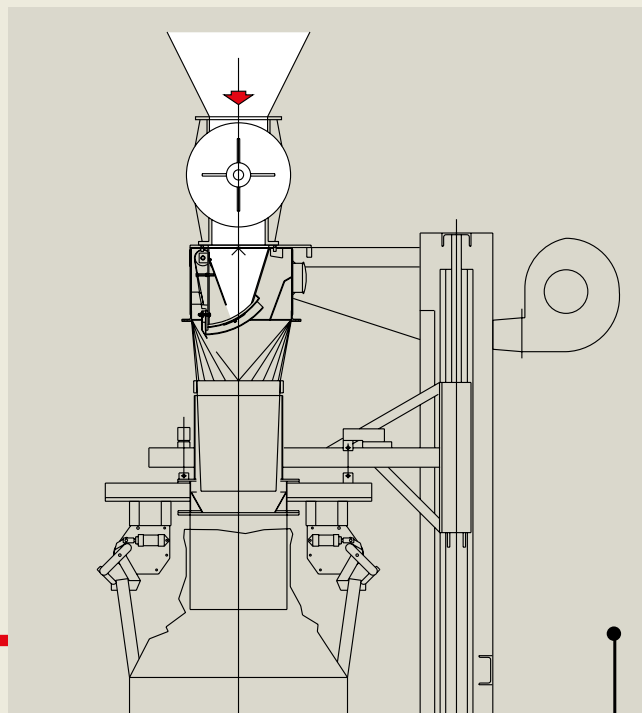
BB-N (BBS-N)

BELT FOR
COARSE AND CHIP
PRODUCTS



BB-C (BBS-C)

SINGLE
AUGER FOR
POWDERS



BB-VS (BBS-VS)

ROTARY VALVE
FOR SPECIFIC
APPLICATIONS

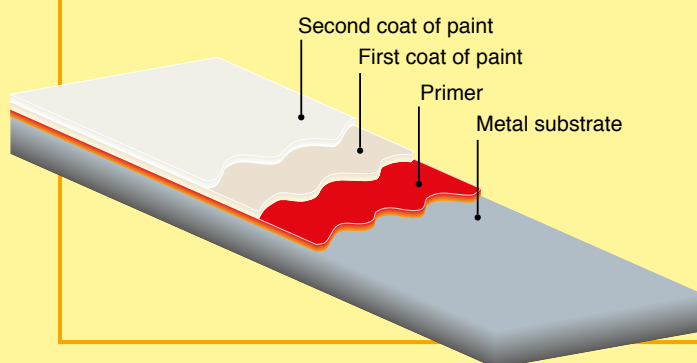
AISI 304 STAINLESS STEEL.

Construction of parts in contact with the product in AISI 304 stainless steel:

- to prevent contamination of the product;
- for aggressive environments.

AGGRESSIVE ENVIRONMENTS.

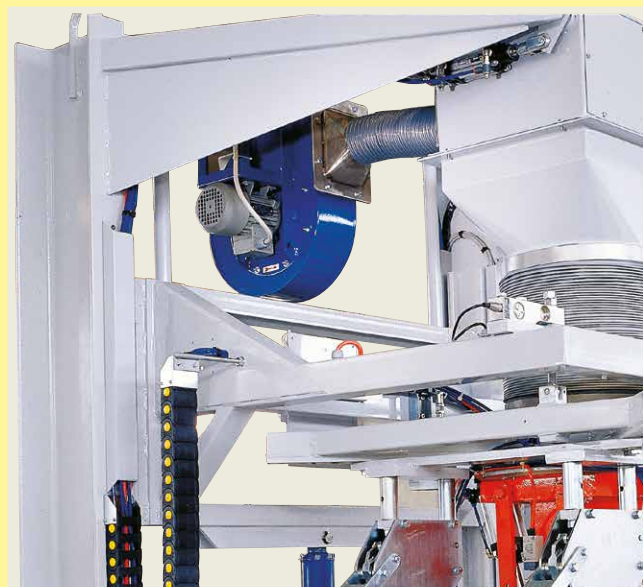
A special painting cycle is available for machines exposed to the corrosive action of aggressive environments.



INFLATION.

Inflation of polythene inner bag (if used):

- by electric blower - fan (see photo);
- by inflation with inert gases.



FULL BIG BAG ACCUMULATOR ROLLER WAY.

- idle;
- motorised;
- combined (motorised and idle).



VIBRATING PLATFORM TO SHAKE THE BAG AND SETTLE THE PRODUCT INSIDE IT.



◀ VIBRATING PLATFORM WITH PNEUMATIC RAISING AND LOWERING SYSTEM.

If the pallet conveyor roller way is installed, the vibrating platform is equipped with:

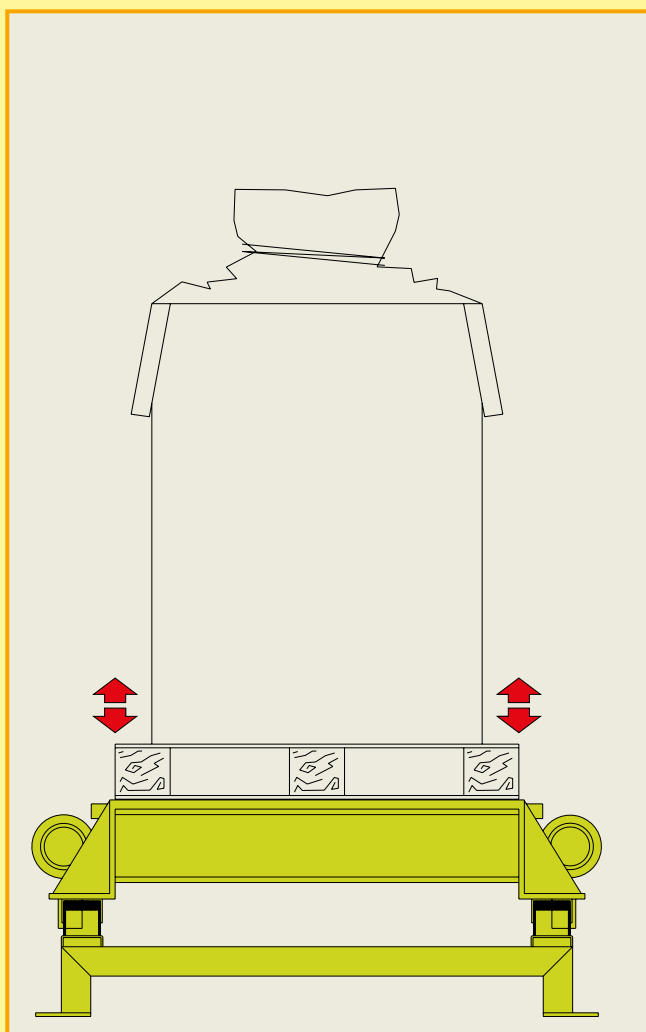
- "vibrating grid" mounted between the rollers;
- pneumatic vibrating grid raising and lowering system.

This application lifts the pallet off the roller surface and vibrates it (with no vibration of the rollers themselves).

At the end of the vibration cycle, the vibrating grid descends, returning the pallet to the roller way.

Vibration is by means of electromechanical vibrators using variable weights to allow adjustment of the vibration stroke and frequency; the vibration time can also be adjusted.

A vibration-damping base ensures that no vibration is transmitted to the ground.



◀ STANDARD VIBRATING PLATFORM.

If the application requires the big bag to be vibrated to settle the product inside it, a vibrating platform can be included in the system. The big bag is placed on the platform and vibrated for the time needed (the duration is easily adjusted from the control panel).

The system is equipped with two eccentric mass vibrators, easily adjusted to modify the vibration stroke and frequency.

The device's vibration-damping base prevents all transmission of vibration to the surroundings.

EMPTY PALLET DISPENSER MAGAZINE COMPLETE WITH ROLLER WAY FOR TRANSFER TO FILLING ZONE.

With this application the operator must be provided with a platform to bring them to the roller way level.

The empty pallet dispenser magazine may be of "loader" or "retracting fork" type.

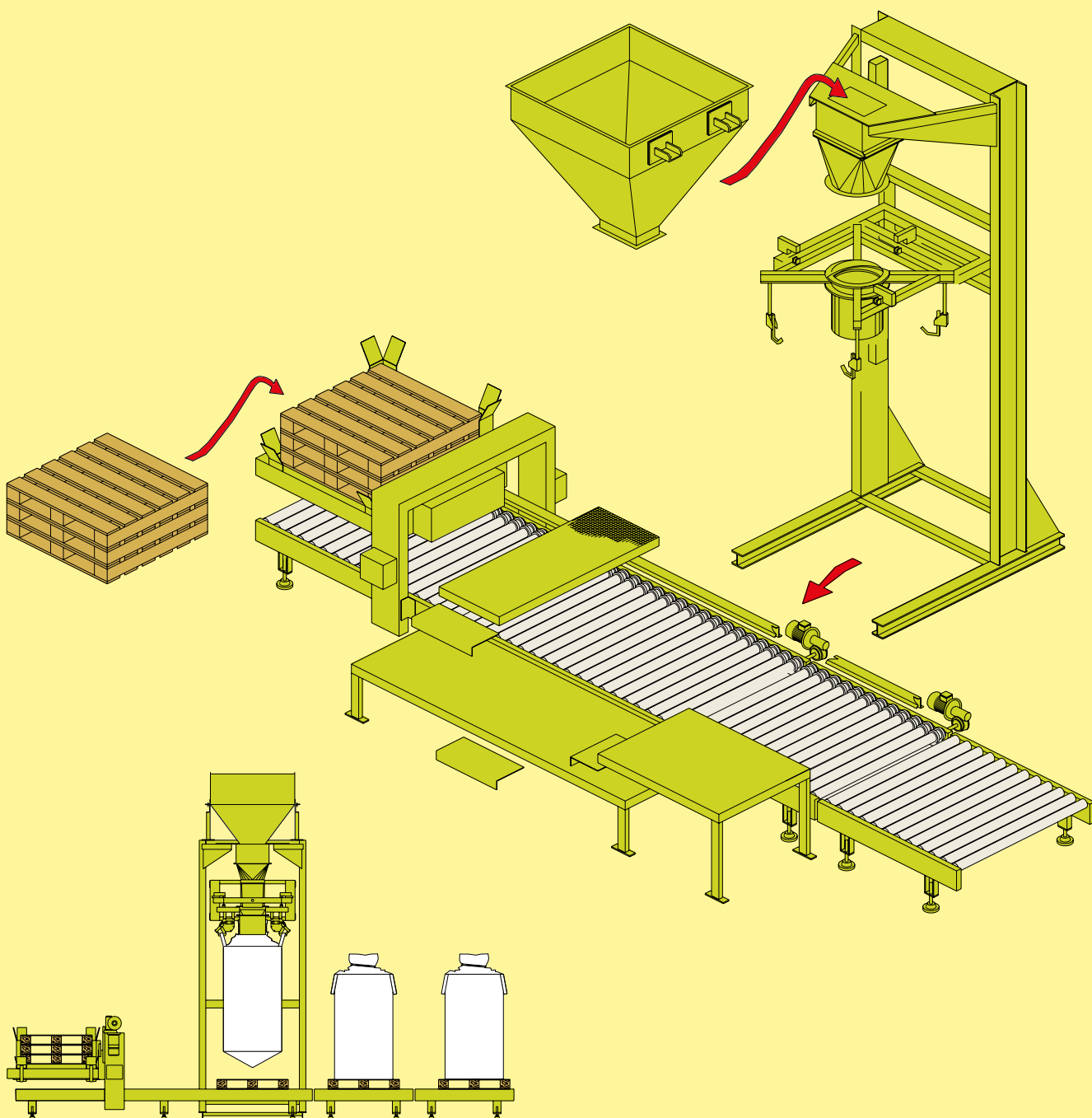
The first option, simple and inexpensive, is ideal if just 1 pallet size is used and provides a storage capacity of 450 kg of empty pallets (i.e. a stack of pallets 1800 mm high).

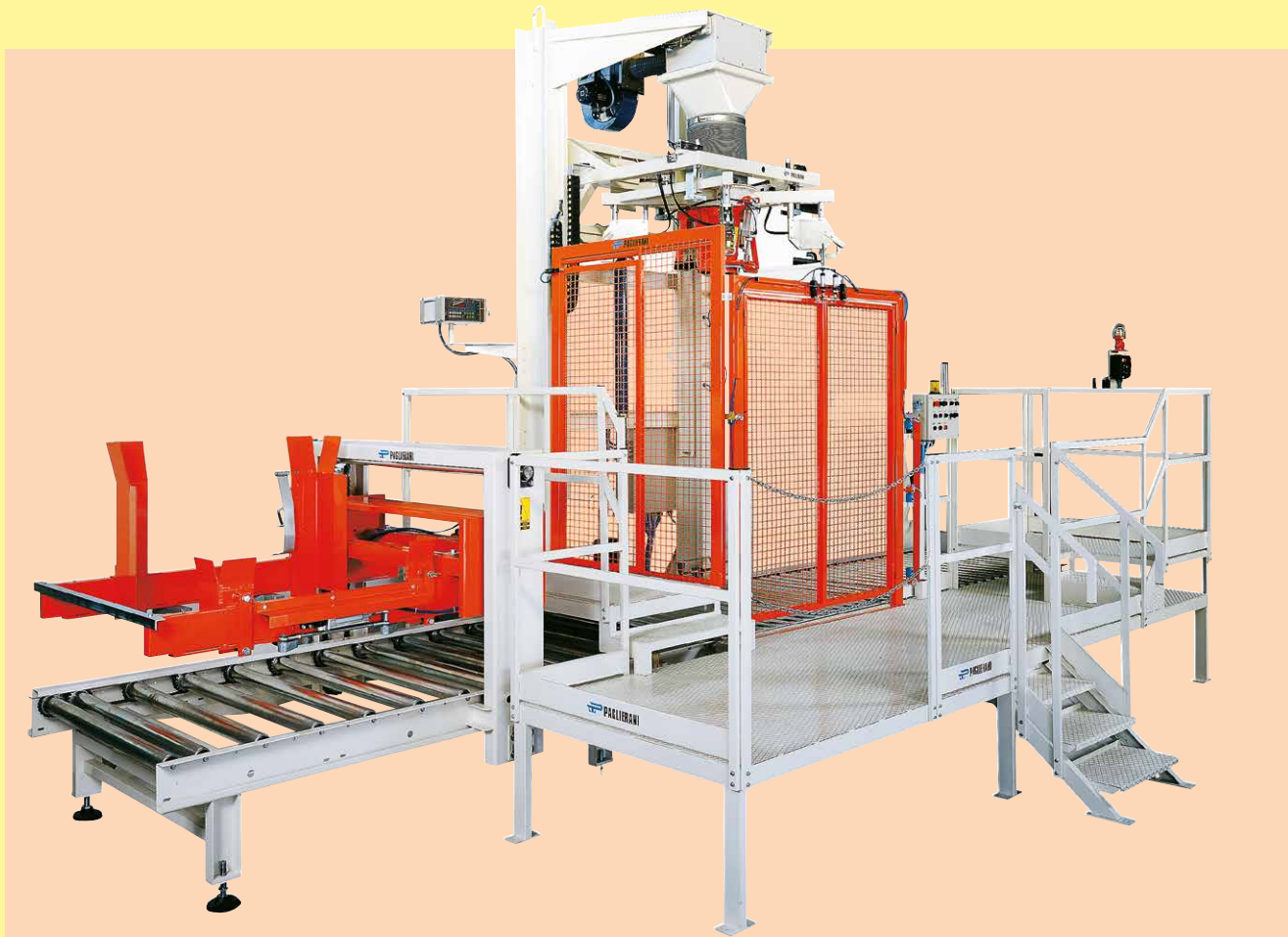
The second option provides flexibility (no adjustments are required if the pallet size changes) and more storage capacity (up to 850 kg).

Both types are equipped with a motorised roller way which transfers the empty pallet from the magazine to the big bag filling zone.

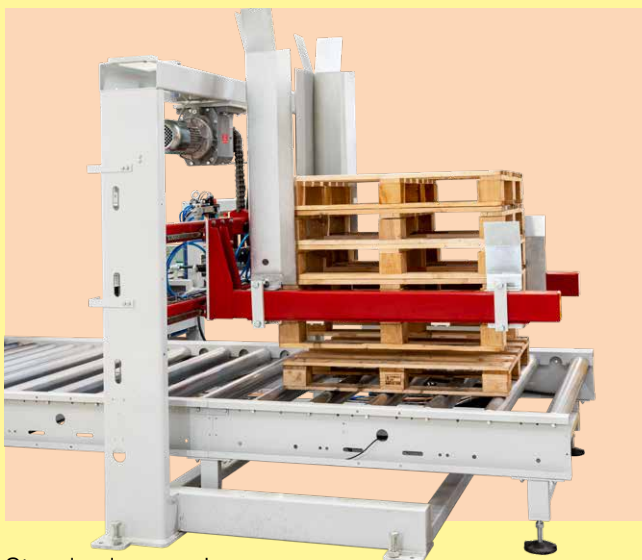
An alarm alerts the operator when the pallet level runs low, so they can refill the magazine in good time.

If the magazine runs out completely the entire cycle is halted thanks to the sequential interlock with the downstream devices.





Magazine, roller way and operator platform.



Standard magazine.



Roller way (walk-over).



PAGLIERANI

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

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