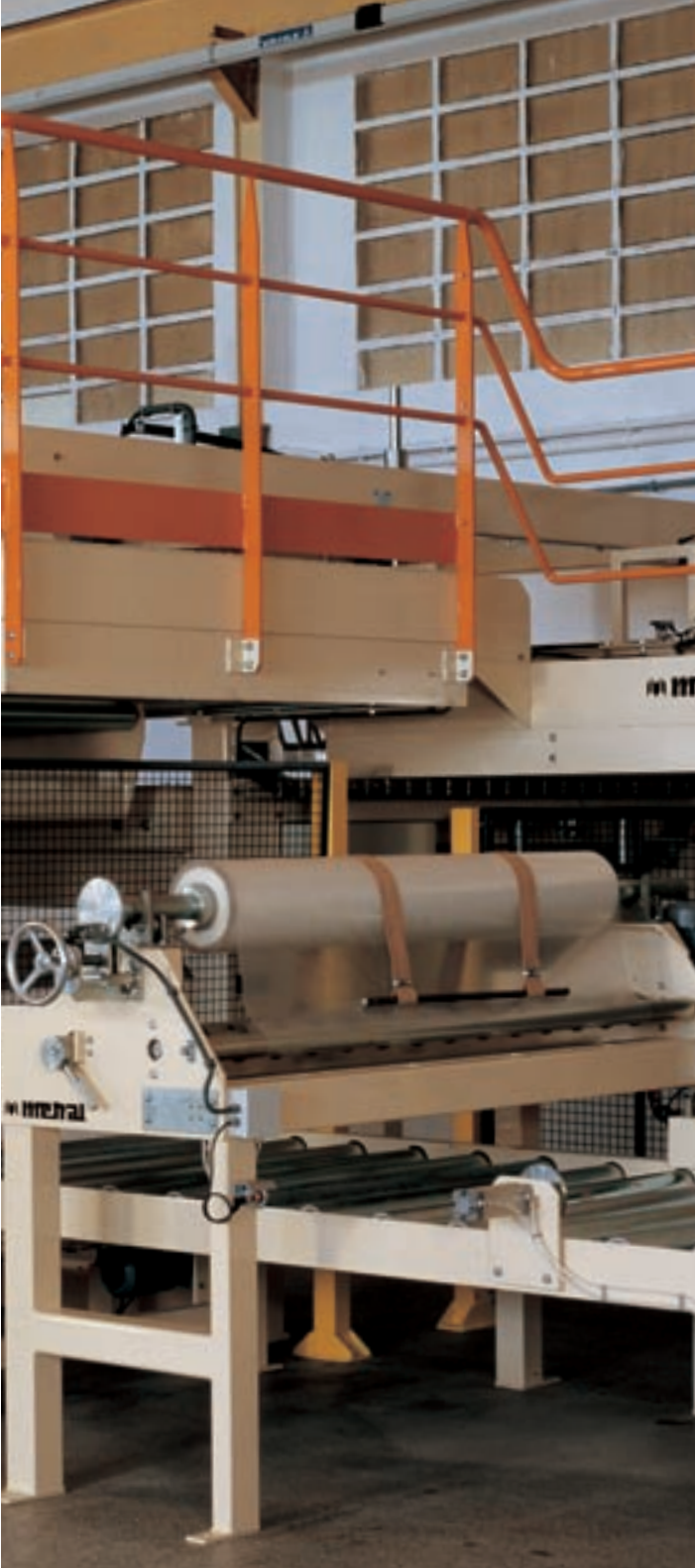


Palletiser M2





M2400S



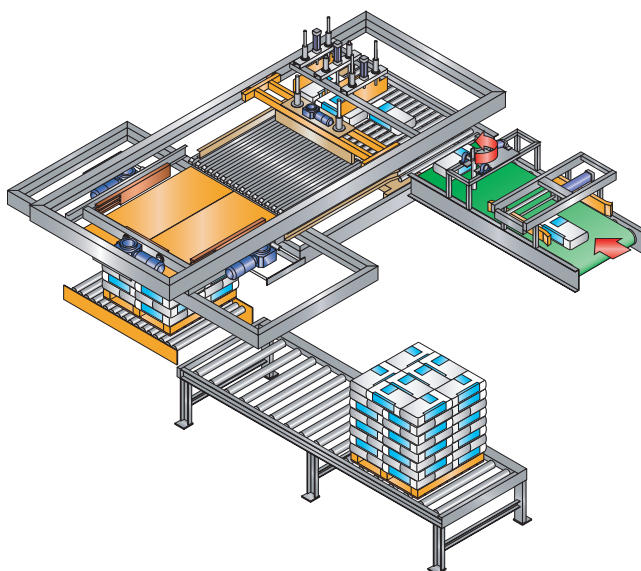
The M2400S palletiser is a standard machine that is suitable for multiple applications covering capacities from 1500 to 3000 bags per hour, depending on the pallet format and the bag characteristics.

Its modular configuration allows multiple combinations in order to satisfy the needs of production rate and available space requirements in each application.

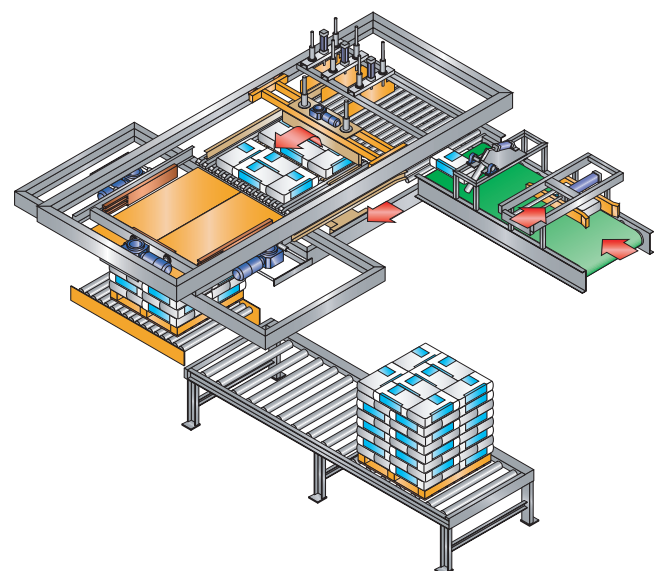
A personalised study in collaboration with the customer is the normal way of achieving the correct technical solution in each case.

M2400S Operation

Our customers' needs have been fulfilled thanks to the design and development of modular palletisers, which provide the possibility of adapting to the available space and production requirements.



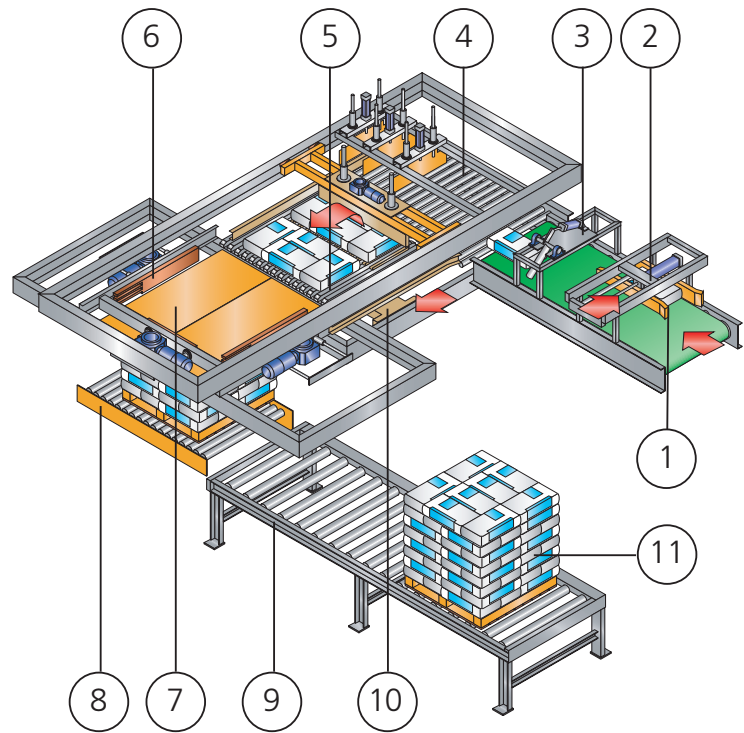
Bags arrive at the palletiser through the programmed belt where they are positioned and inserted into the line formation area.



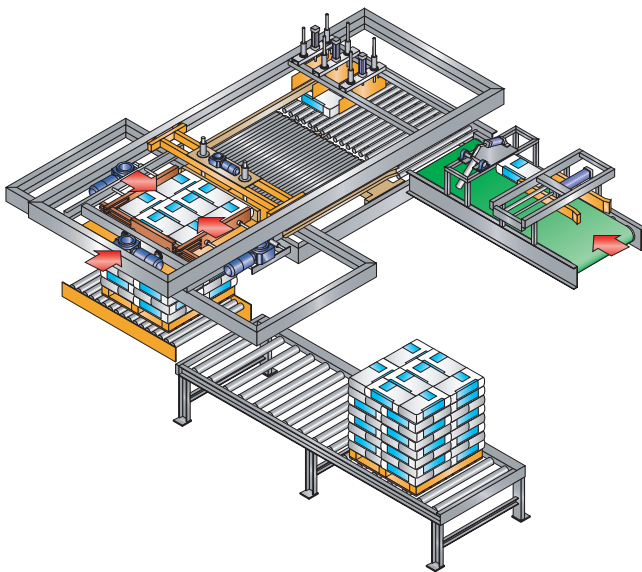
The first pusher, also known as pushing device one, lifts the bags and moves them to the pre-layer area. Once the layer has been completed, main pusher device is activated and slides them over the hatches.

In parallel to this sequence of events, the empty pallet store will have released a pallet that will be transported on the lift to the lower section of the hatches.

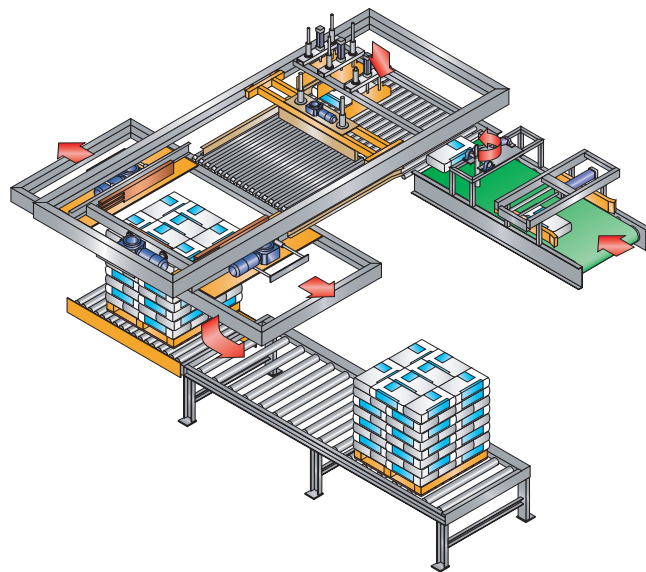
Operation **M2400S**



- 1 - Programmed belt
- 2 - Bags shifter
- 3 - Swing arm
- 4 - Upper stoppers
- 5 - Prelayer
- 6 - Side press
- 7 - Hatches
- 8 - Lift
- 9 - Full pallets roller conveyor
- 10 - Pushing device 1
- 11 - Full pallet



Once the bags have been placed over the hatches, the latter open, in order to deposit the layer onto the pallet. Then it moves down, and the hatches close in preparation to receive a new layer.



When pallet formation has been completed, it leaves the palletising area via the full pallet roller conveyor.

At the same time another empty pallet goes into the lift, beginning a new palletising cycle, without interrupting the entrance of the bags.

M2400S Characteristics

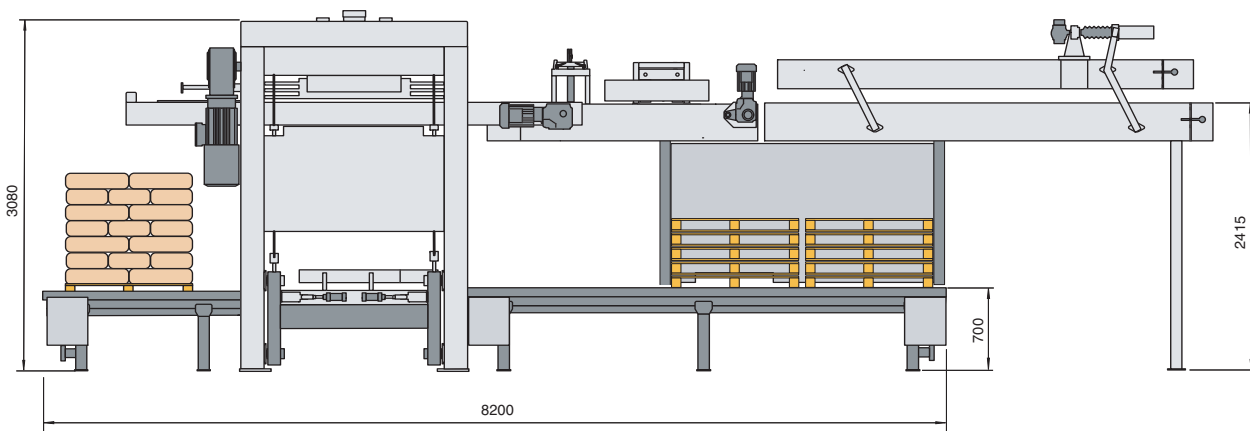
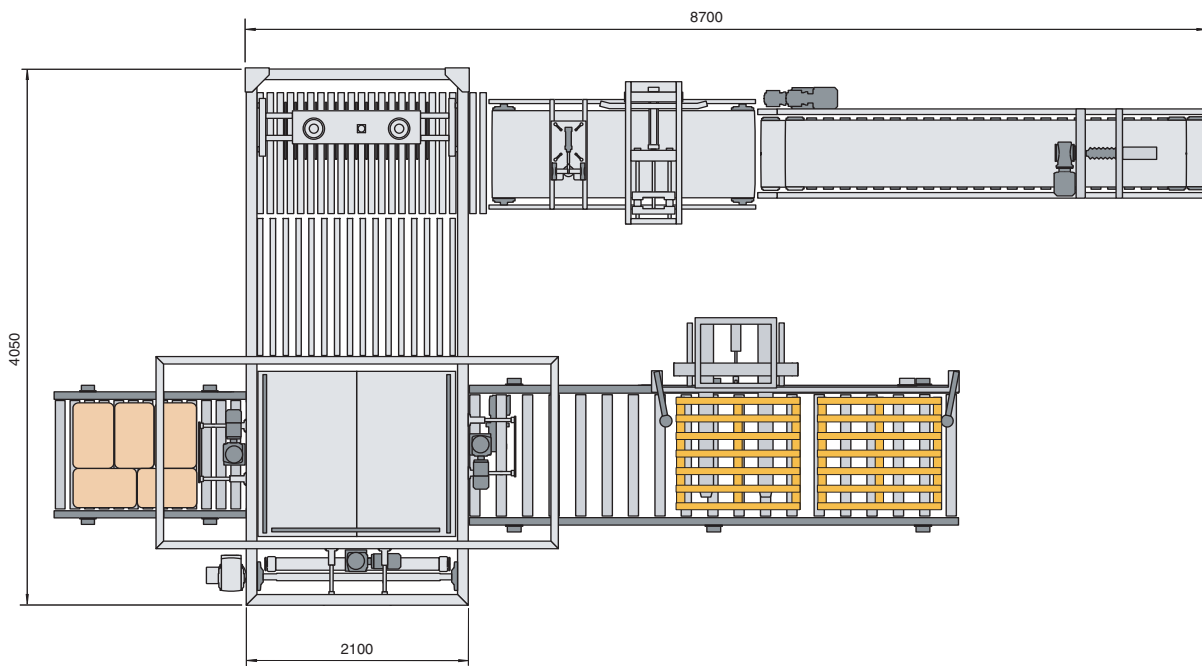


Metral® palletisers are equipped with the most modern and reliable components on the market in order to guarantee the highest quality in the machine.

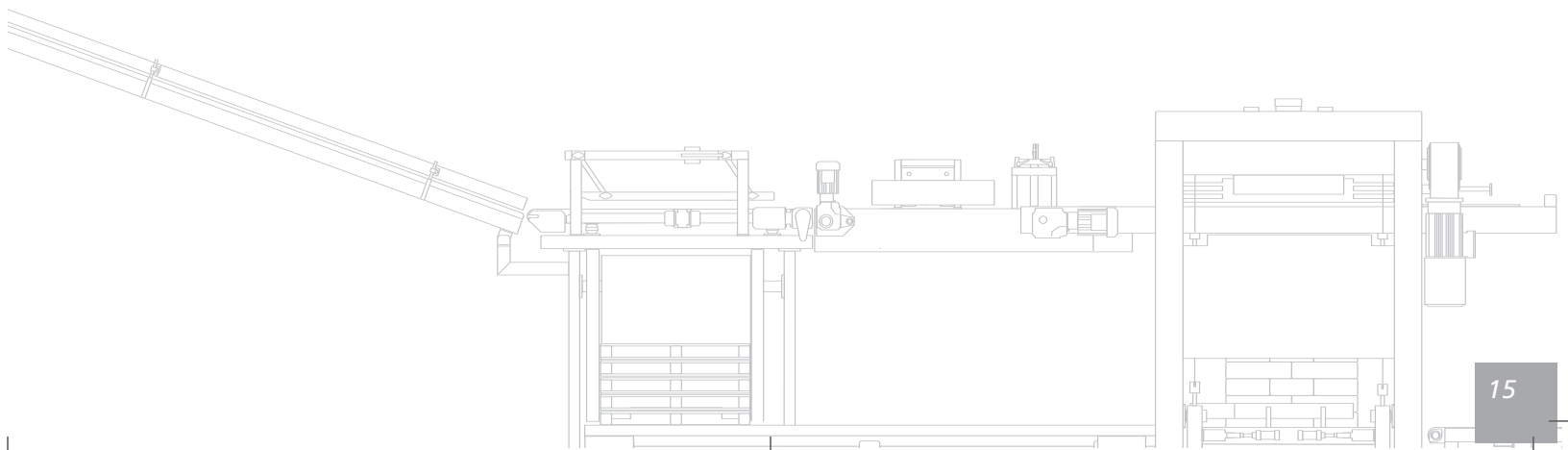
The photos show a pallet being formed, a roller ramp with a dispensing roller and, at the bottom, there is a Stretch wrapping machine with a rotating arm.



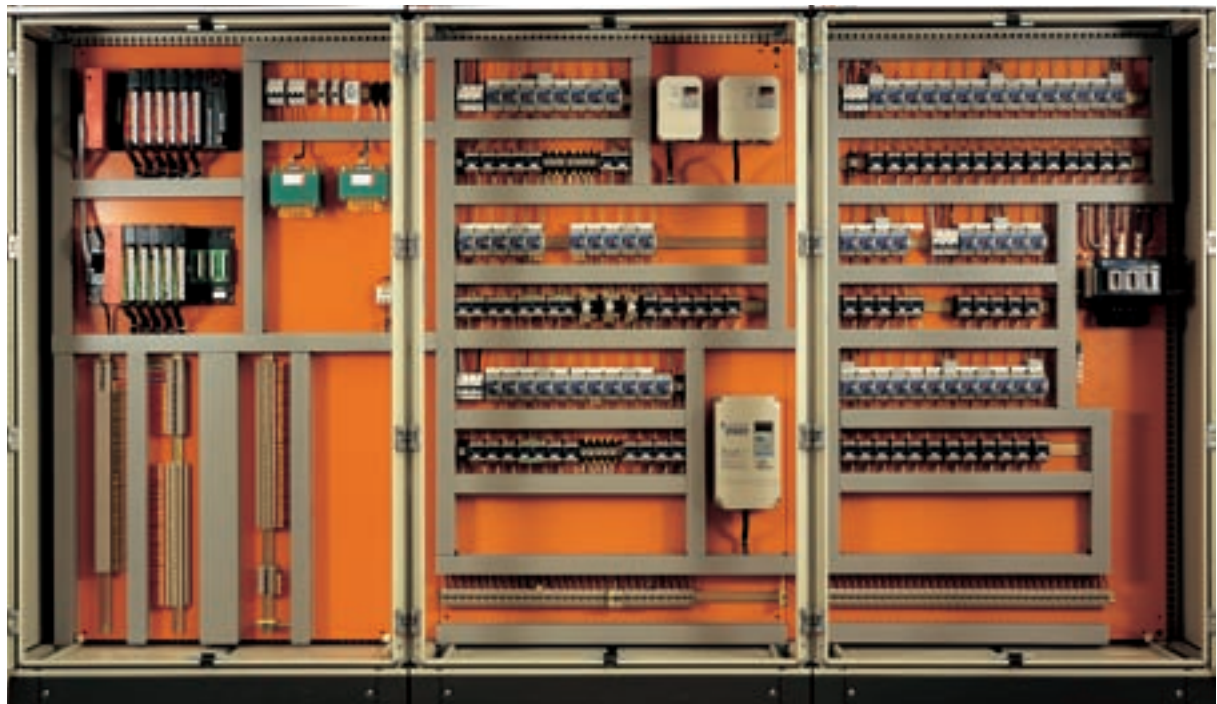
Layout dimensions **M2400S**



A layout of a M2400S palletiser for a pallet having dimensions of 1000 x 1200 and a height of 1400 mm, with space available for incorporating a plastic sheet dispenser above the empty pallet. The flattening belt is of the vibrator type.



Palletisers *Control elements*



All **Metral**® machines include one or more electric cabinets, PLCs and graphic displays.

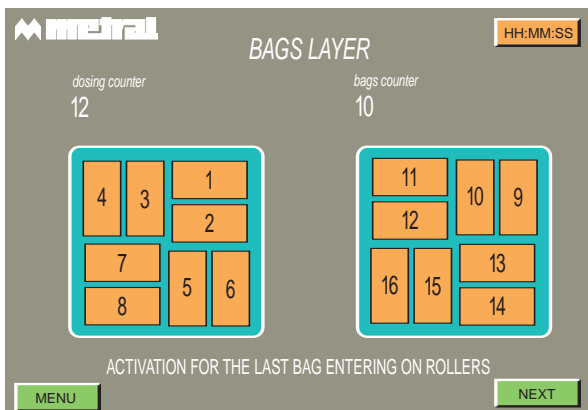
Frequency inverters are employed to achieve fast cyclical movement control that are able to guarantee speed, precision and smoothness of movements.

All components are selected with reliability in mind and also to assure efficient customer after-sales service.

All components are tested by our Technical Service prior to being selected as components for installation in a **Metral**® machine.



Weight control belt



Our machines make use of control and display components, which assist in installation operation. In the event of a fault, the control application is programmed to trigger an alarm and show this on the display. The operating software is open and allows customised versions to be developed for each application.

