

BIG - BAG FILLING SYSTEMS



metral®
Mecanización del transporte y almacenaje industrial
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Efficient filling and high accuracy weighing

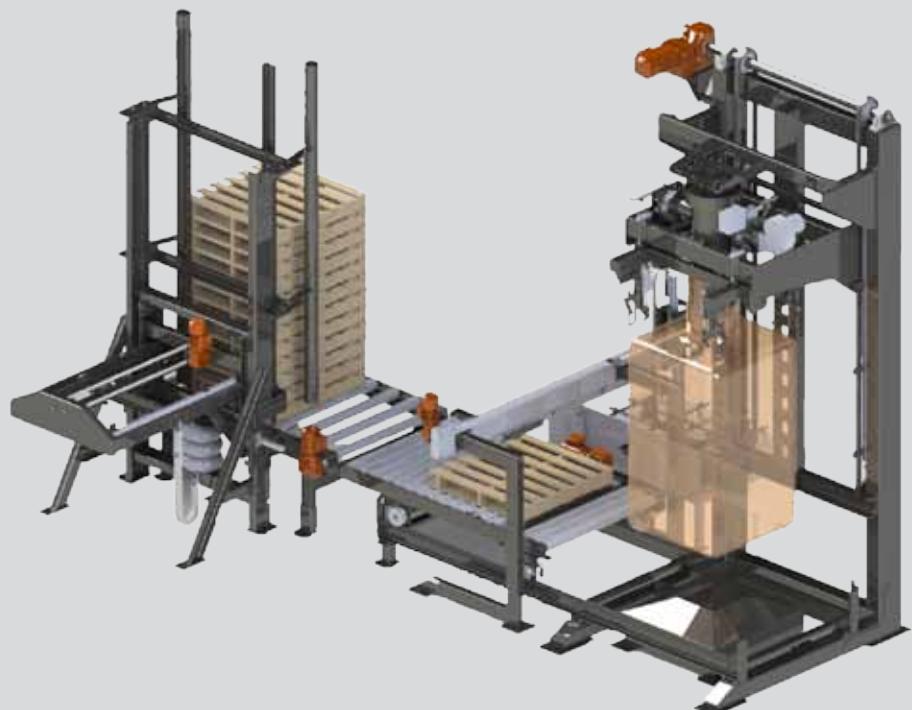
Metral produces a full range of Big-Bag filling and weighing systems for FIBC's octabins, cartons and other semi-bulk packaging units from the most basic model where full bags are handled directly by a fork-lift to complete solutions integrating the empty & full pallet handling and equipped with several options to obtain the best result in every case. These systems represent a cost effective alternative within the logistical supply chain for handling bulk products.

A correct assessment of the right equipment eliminates product loss, contamination and dust pollution during filling operation and delivers clean, full stable and stackable containers.

Careful consideration to filling quality and weighing accuracy has ensured the successful use of these filling machines world-wide.

Characteristics

- Weighing process is usually gross-weight but it can also be net type in order to achieve the highest accuracy.
- Filling heads are available in several executions to suit the handling of big-bags with or without inner liner and different sizes.
- Dosing can be done by means of a screw conveyor for powdery products, electro- magnetic feeder for coarse products, cone dosing system for micro pellets, flap-dosing for granulated products or pellets, belt conveyor for blended products or by gravity.
- Hanging devices for 1, 2 or 4 loops are available.



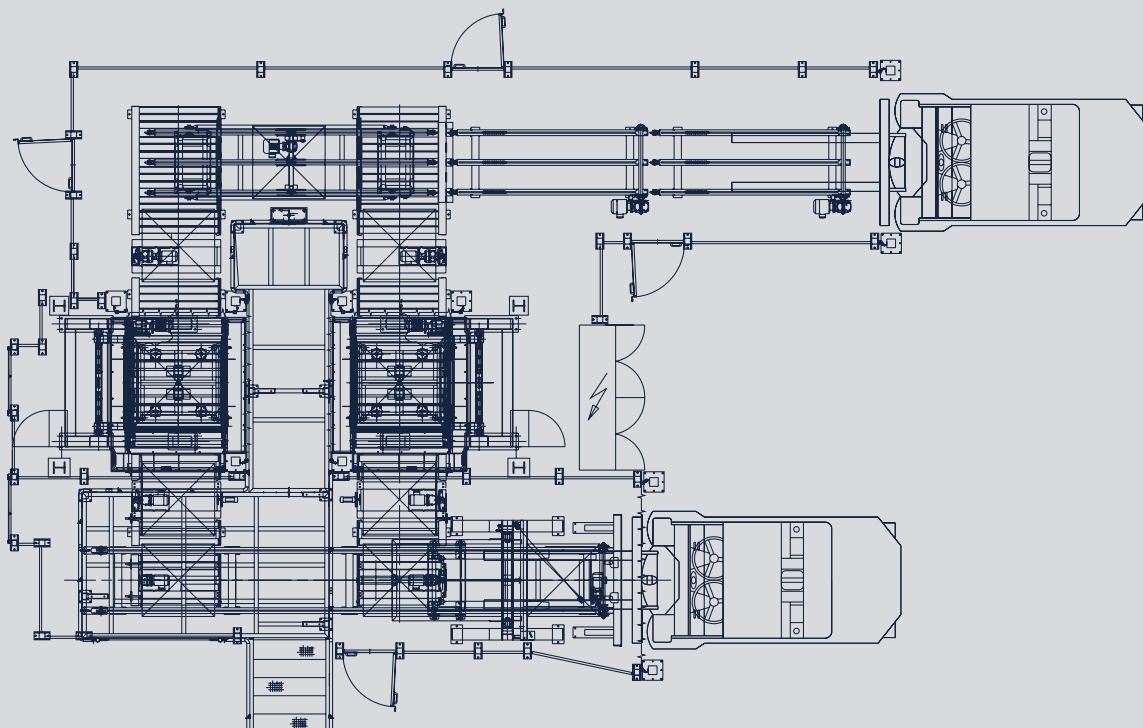
- Filling can be done from top to bottom as standard or from bottom to top if required.
- Compaction of the bags can be done using a patented low frequency & high amplitude vibration table, by unbalanced motors at the base or by side plates.
- The system can be supplied with motorized and free roller conveyors to transport the bags to an unloading station.
- Alternatively the bags can be transported on conveyors one by one or in groups, without wooden pallets, to fork-lift or monorail hoist unloading stations using the loops that allow direct load on trucks.
- A downstream bag press can also be installed to assure the final compaction and flatness of the top.

That full range makes possible to build every system to suit all customer specifications regarding the type of product and bag, environmental aspects, system capacity and budget.

Simple and rugged design of Metral big bag filling systems makes them easy to use and service. This way, it helps to reduce the operation cost to a minimum.

Capacities

Metral FIBCs filling systems can be supplied to handle weights ranging from 500 to 2000 kg. Filling capacities up to 70 containers per hour can be achieved depending on the type of product feed and system lay-out.





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