

t-max

BAG OPENING AND
EMPTYING MACHINE-BAGOMAX

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FEATURES:

- » With the fully automatic bag emptying machine, granulate bags of 25 kg can be opened and emptied into a receiving bin.
- » The capacity of the machine is between 10 and 15 tons of granules per hour.
- » Emptying is better than 99.98%!
- » It is also possible to transport or drop the empty bags (in) to a bag compactor or baler.
- » The granulate in the receiving bin is transported from the bin by means of a granulate pump into the pneumatic transport system.
- » This system provides a durable and reliable transport to storage silos.



FEATURES:

- » Expandability: possibility to Add a bag compacter
- » Add a pallet stacker
- » Implement in complex control system with full process control
- » Flexibility (additional options, executions can be discussed)
- » Robust execution
- » Separated steady movements
- » Electrical lift executes vertical movement
- » Shuttle executes horizontal movements



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FEATURES:

- » 25 kg of granule bags, which come in pallets with a fully automatic bag unloading machine, are opened and emptied into the hopper without human touch.
- » The granule discharged into the hopper can be automatically transferred to the desired point by means of a pump.
- » Machine capacity can work up to 15 tons/h for granular raw materials.
- » Hopper discharge conical angle suitable for raw material properties. Easy and fast installation.

ITS ADVANTAGES

- » It is ideal for factories processing raw materials at high capacity.
- » It reduces labor costs.
- » It fully complies with work safety.
- » It empties all the granules in the bag.
- » It reduces the risk of raw materials and escaping of foreign matters.
- » Seamless integration into central systems.
- » Compatibility with existing silos or silo filling units
- » HIGH RATIO OF INVESTMENT.

With its **fully automatic bag opening and unloading machine**, it can open 25 kg of plastic, paper, and jute bags and automatically empty them into a collection hopper. Bags filled with raw materials can be placed in the machine automatically or manually with their pallets. The capacity of the machine can run up to 15 tons/hour, depending on the chosen application and the product to be processed.

WORKING PRINCIPLE: After placing a loaded pallet on the machine, the pallet is lifted by movable hooks. Integrated hooks pick up the top layer of the pallet and then transport it over the rotating blades to the collection hopper. These rotating blades cut the bags and cause the granules to fall into the hopper. Thanks to the specially designed shaking method, the bag is completely emptied. The raw material discharge rate is better than 99.98%. After emptying the bags, the hooks automatically drop the empty bags into a collecting hopper.

With additional equipment (Bag Compactor), it is also possible to transport or drop empty bags into a bag compactor or baler.

The granule in the collecting hopper is automatically transported from the collecting hopper to the outer silos or to the desired point through the pneumatic conveying system. The bag unloading machine, including pneumatic raw material handling, is controlled by a completely independent "Siemens S7 PLC".



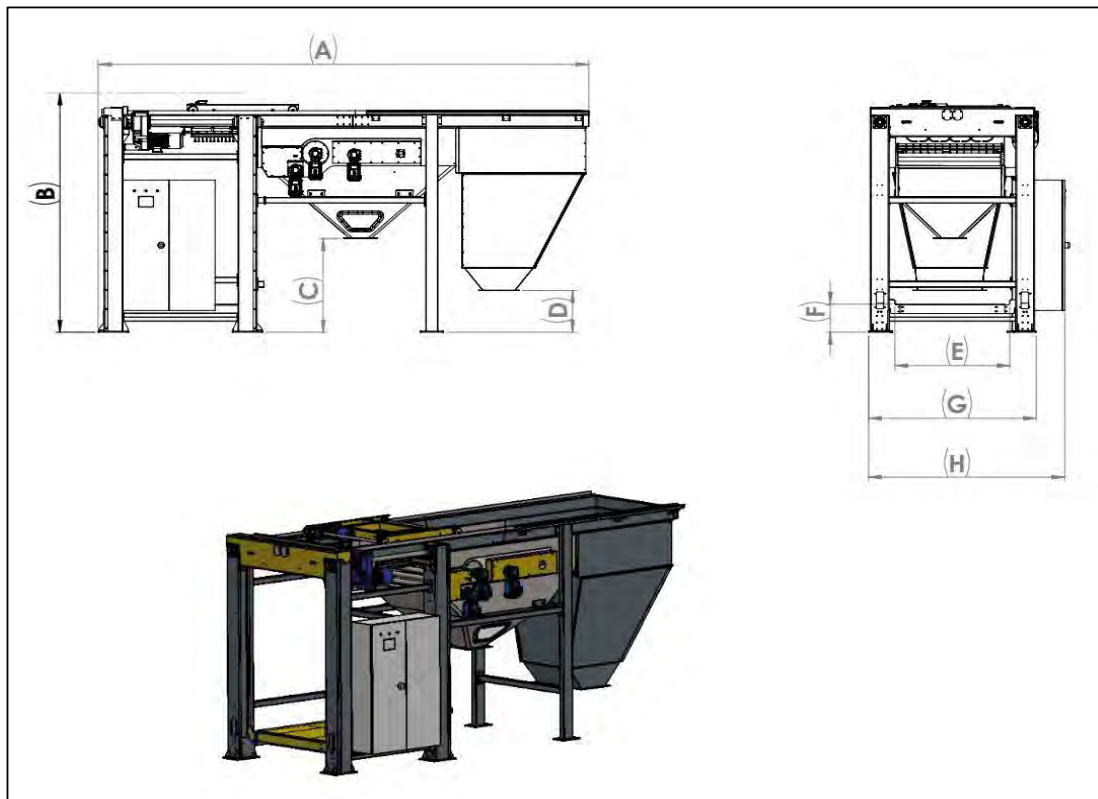
ALTERNATIVE DESIGNS AND EXTRA OPTIONS:

- » XL unit: Suitable for dumping granulate into containers bigbags, octabins or truckloads
- » Automated cleaning: This machine can clean itself after a batch, so it is immediately ready for a different product
- » Automatic pallet transport (in and out)
- » Integrated palletstacker for stacking the empty pallets
- » Integrated bag compactor or baler for the empty bags

SPECIFICATION OF BAG EMPTYING MACHINE

- » Pallet dimensions: 1300mm x 1100mm (to be confirmed by customer)
- » Max. intake width: approx. 1400 mm
- » Pallet weight: approx. 1600 kg
- » Pallet height: max. 2200 mm (to be confirmed by customer)
- » Stacking: 5 bags per layer, stacked 3 by 2 in alternating directions, 11 layers
- » Capacity: approx. 15t/h (granulate) with > 99,98% discharge
- » Supply voltage: 3x 400V, 50Hz + earth
- » Protection rating: IP55
- » Control voltage: 24 VDC
- » Air consumption: 10 Normal-liter / cycle
- » Air conditioning: 6 bar dry conditioned air
- » Finishing: Frame: powder coated in RAL color
- » Total Load: 6.85 KW

Machine Dimensions	A	B	C	D	E	F	G	H
(MM)	6400	3300	1300	575	1490	400	2200	2600



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