

Big Bag Discharge Station

High flow rate



Dust control model

Flow rate: 20 to 40 big bags/h.
Weight capacity: 2 tons/big bag
Objectives: automatic cutting, containment and safety

This FIBC discharger enables the automatic unloading of big bags without operator intervention. The phases of cutting, handling and evacuating the big bags are autonomous. The only task ensured by the operator is the fixation of the big bag on the bag hanger.

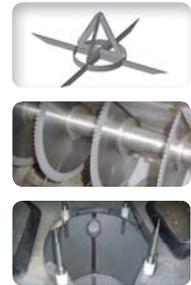
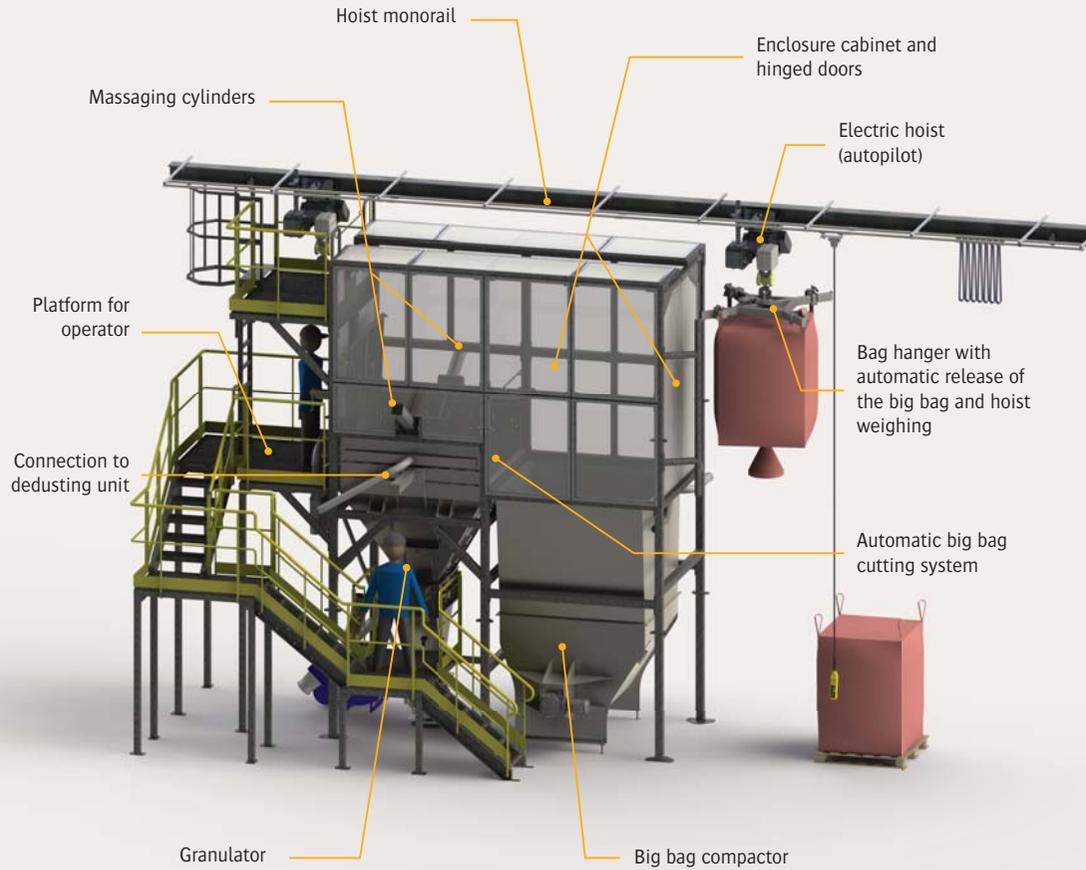
TECHNICAL SPECIFICATIONS

Rate: 20 to 40 big bags/hr.
Manufacturing: mild steel, SS304L, SS316L
Finishes: RAL 9006, microblasted, electropolishing
Installed power: 5 kW (according to the option)
Operation pressure: 6 bars
Inlet: 4-20 mA
TOR inlet : 6
TOR outlet: 4
Dust collecting flow rate required: 3,000 m³/hr.*
 *may vary according to the threatened material
Maximum big bag dimensions
Length x Width x Height: 1,200 x 1,200 x 2,400 mm
 Custom made models are also available

OPERATING SEQUENCE

1. Big bag connection and setting up by the operator
2. Big bag shifting inside the discharge station (autopilot hoist)
3. Automatic cutting and discharging of the big bag (automatic version)
4. FIBC massage (depending on option) and product crushing
5. Automatic big bag release
6. Empty big bag compacting
7. Automatic control of the big bag accumulation that must be emptied and automatic pallet stacker

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➤ **Automatic cutting:** diamond «U» shaped spike and cutting discs. According to the type of big bag to be unloaded, the cutting system is designed to facilitate the opening and to avoid foreign bodies.



➤ **Integrated big bag compactor:** it permits to collect and compress all types of bags (paper, PE, woven plastic...) in an effective way and thus to remove the majority of dust.



➤ **Improvement of bulk material flow:** piloted pneumatic cylinders to optimize the bulk material flow.



➤ **Automatic loading:** the steering of the hoist is controlled via the button box and weighing hook.

Advantages



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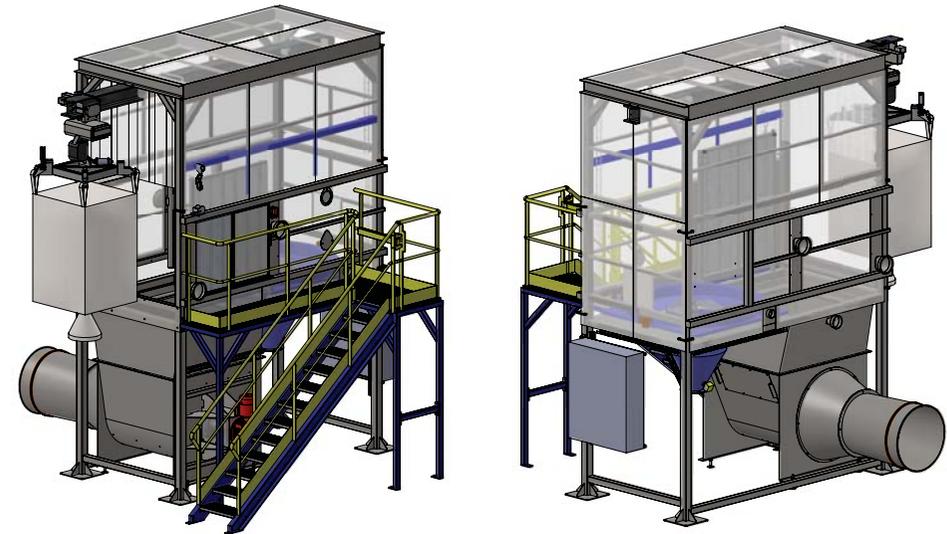
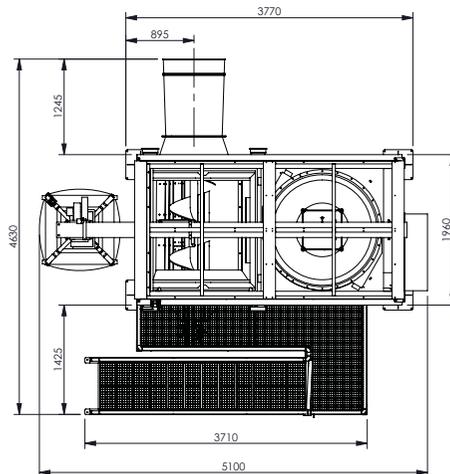
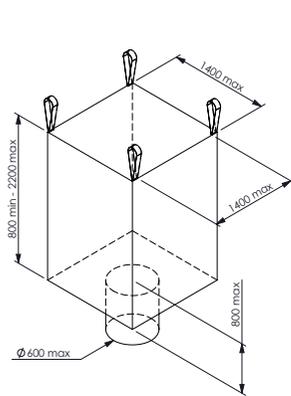
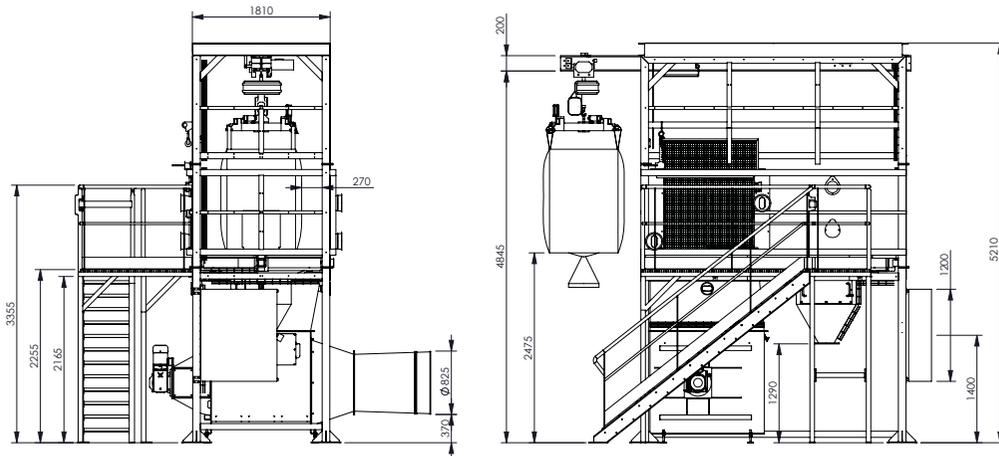
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Options



Pouyès ring: optimizes containment by creating a suction flow at the periphery of the big bag (Pouyès ring). Positioned at the top and in the periphery of the tray, the dedusting ring ensures the capture of dust emitted during the big bag discharging phase. This option is particularly suitable for very volatile products (low density) or for installations requiring a high level of containment. The two suction nozzles allow the capture of the dust like a cyclone. Suction flow required: 1.800 m³/h.



Granulator: our granulators are the ideal solution for the crushing of materials that tend to form lumps. The device permits to break the lumps that develop during the process of production or transportation of friable materials in powder or in grain. We offer 3 standard models of granulators (GR35, GR50, GR70) and 3 standard models of lump breakers (EC35, EC50, EC70). We also design customized solutions to suit all your requirements.