



ADVANCED WEIGHERS AND WEIGHING SYSTEMS FOR STATIC, DYNAMIC AND CONTINUOUS WEIGHING



## Big Bag filling unit

SUPPLIER FOR

- The grain and feed milling industry
- The food industry
- The chemical/technical industry



## Semiautomatic Big-Bag station

### Big-bag weighing unit for filling - general

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The Big-bag weighing unit from Jesma can be used for various product types, such as feedstuff, flours, pellets, granulates, wood pellets a.s.o.

The big-bag unit for filling is an electronic weighing system specially designed for filling and weighing big-bags. The weigher consists of a valve, a bag clamp, a frame for lifting and lowering of the bag, a driven roller path (weighing section), a blower, a flap box and a rack.

The inlet is through the valve, which is pneumatically operated. The valve controls and stops the intake of the material flow.-Use only the appropriate bags for the bag clamp. The arms on the bag clamp are activated / closed via the capacitive sensors on each side of the filling tube.

### Functional description

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The big-bag is raised 600 mm above the pallet and is filled with air from the blower, before the product is filled into the bag.

Upon the blowing and the start filling, the flap box changes from blower to desuction. When the bag is filled with approx. 100 kg material, it is lowered down to the pallet, and upon fine dosing the bag clamp stops and opens securing it will have no impact on the weighing process.

When weighing is done, the bag clamp is lifted to the top and the roller path starts and bag is moving onwards in the process.

Afterwards the bag clamp is again lowered to working height for mounting of a new bag.





# RELIABLE ACCURACY

## How does the weighing unit function

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- The operator places the bag on the bag clamp.
- The operator hands will affect the two sensors, which closes the bag clamps and hereafter starts the weighing cycle.
- The bag clamp is lifted 600 mm by means of the air cylinder and is thereby hanging free of roller path and pallet.
- The blow motor starts and the bag is filled with air in approx. 8-10 secs.
- The feeding valve opens the coarse dosing function.
- The blow motor stops and desuction is activated.
- The bag sinks onto the pallet when filled with approx. 100-150 kg and the plastic bag / inner liner is now filled with product in all corners.
- When the weigher reaches the fine dosing limit, the bag clamp opens and desuction stops.
- When load value is reached, the fine dosing closes and the bag clamp is lifted by the air cylinder.
- The bag is now ready for transportation.
- The roller path starts if there is room on the following roller path.
- When the pallet is removed, the bag clamp is lowered and is ready for new bag in operator working height.

Charge size: 1500 kg  
Division: 500 g





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