



DESCRIPTION

Our BIG-BAG loading systems enable safe and efficient filling of large bags with minimal staff involvement. The empty bag is attached to **four handles** in the upper corners of the frame. Then, the bag inlet is pulled over the loading chute of the station. A tight connection between the bag and the chute guarantees dust-free operation. The material can be fed into the bag using any conveyor. The BIG-BAG loading station can be equipped with a weighing platform to control the amount of material in the bag being filled and an automatic system that cuts off the flow of raw material once the bag has been filled to the desired weight. After filling the flexible bag and removing it from the steel frame, it is lifted by a forklift and transported to its destination. The structure is made of powder-coated carbon steel. Optionally, it can be made of 1.4301 (AISI304) or 1.4404 (AISI316L) stainless steel, making the station ideal for the food industry. The modular design allows the station to be adapted to the type of bag.

Each loading station is designed individually, according to customer requirements and needs, for different sizes and types of bags.



SPECIFICATION

- Structure height:
from 2000 to 3000 mm
- Structure width x length:
1210 x 1445 mm
- Maximum bag width:
1000 mm
- Maximum bag height:
2000 mm
- Structure weight:
approx. 500 kg (depending on structure height)
- Maximum load capacity:
2000 kg
- Loading of bags with a throat diameter of:
350 - 500 mm



ADVANTAGES

- Suitable for a wide range of products
- Dust-free bag filling
- Reduction of losses due to spillage
- Minimal staff involvement required for operation
- Easy to use
- Modular design allows the station to be adapted to different bag types



OPTIONS

- Equipment for forming bags prior to filling
- Weighing platform for controlling the amount of material in the filled bag
- Bag filling control system
- Manufactured to food industry standards using FDA-compliant materials
- ATEX version available



INDUSTRY

- Chemical
- Fertilizer
- Food
- Feed
- Other similar industries



TYPE OF MATERIAL

- Coarse powders
- Fine powders
- Grains
- Granules
- Various types of loose materials



EXECUTION

- Components in contact with the material are made of stainless steel
- Frame made entirely of powder-coated **carbon steel**
- Optional stainless steel version 1.4301 (AISI304) or 1.4404 (AISI316L)



A SEALED AND DUST-FREE PROCESS



Our BIG-BAG loading systems enable convenient and, above all, dust-free loading. Thanks to the inflatable seal head, the connection between the bag and the station is airtight. In addition, the structure can be connected to a dust extraction system.

✓ SZCZELNY I BEZPYŁOWY PROCES



1. Pusty worek BIG-BAG doczep do czterech uchwytów w górnych rogach ramy.
2. Wlot worka załóż na załadunkową rurę spustową stacji.
3. Przyciskiem włącz proces nadmuchiwania uszczelki, mającej na celu całkowicie uszczelnić połączenie między workiem, a stacją, gwarantując tym samym bezpyłową pracę.
4. Kolejnym przyciskiem rozpocznij proces napelniania worka BIG-BAG.
5. Po uzyskaniu wymaganej wagi system odetnie dopływ surowca oraz automatycznie rozszczelni połączenie, umożliwiając swobodne zdjęcie worka.

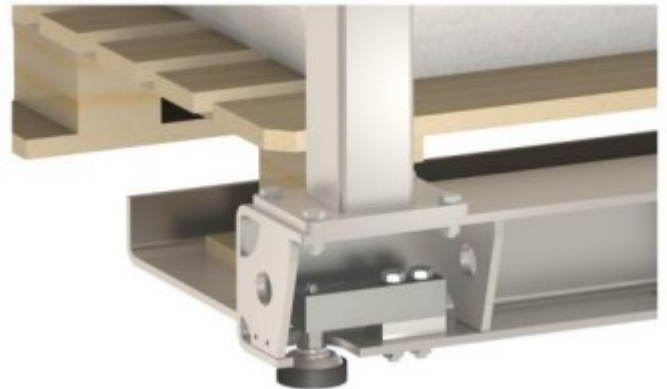
✓ A SEALED AND DUST-FREE PROCESS

Thanks to its modular design, our BIG-BAG loading station can be easily adapted to customer requirements, including the dimensions of the bags being filled. Optionally, the station can consist of a height-adjustable frame.



✓ VARIOUS ADDITIONAL OPTIONS

BSA stations can be equipped with a range of additional options, such as equipment for pre-forming bags before the filling process begins, a vibrator for even filling of the bag, or a **weighing system**. The addition of an intelligent control system ensures a dust-free, automated, and fully controlled BIGBAG loading process.



✓ INDIVIDUAL PROJECTS



Each loading station is designed individually, according to customer requirements and needs, for different sizes and types of bags. In the model shown above, the station is made entirely of 1.4404 (AISI316L) stainless steel and equipped with a weighing system and controls. Additionally, at the customer's request, we have equipped our design with a neodymium magnet, which prevents metal foreign bodies from entering the bag being filled.