DESCRIPTION

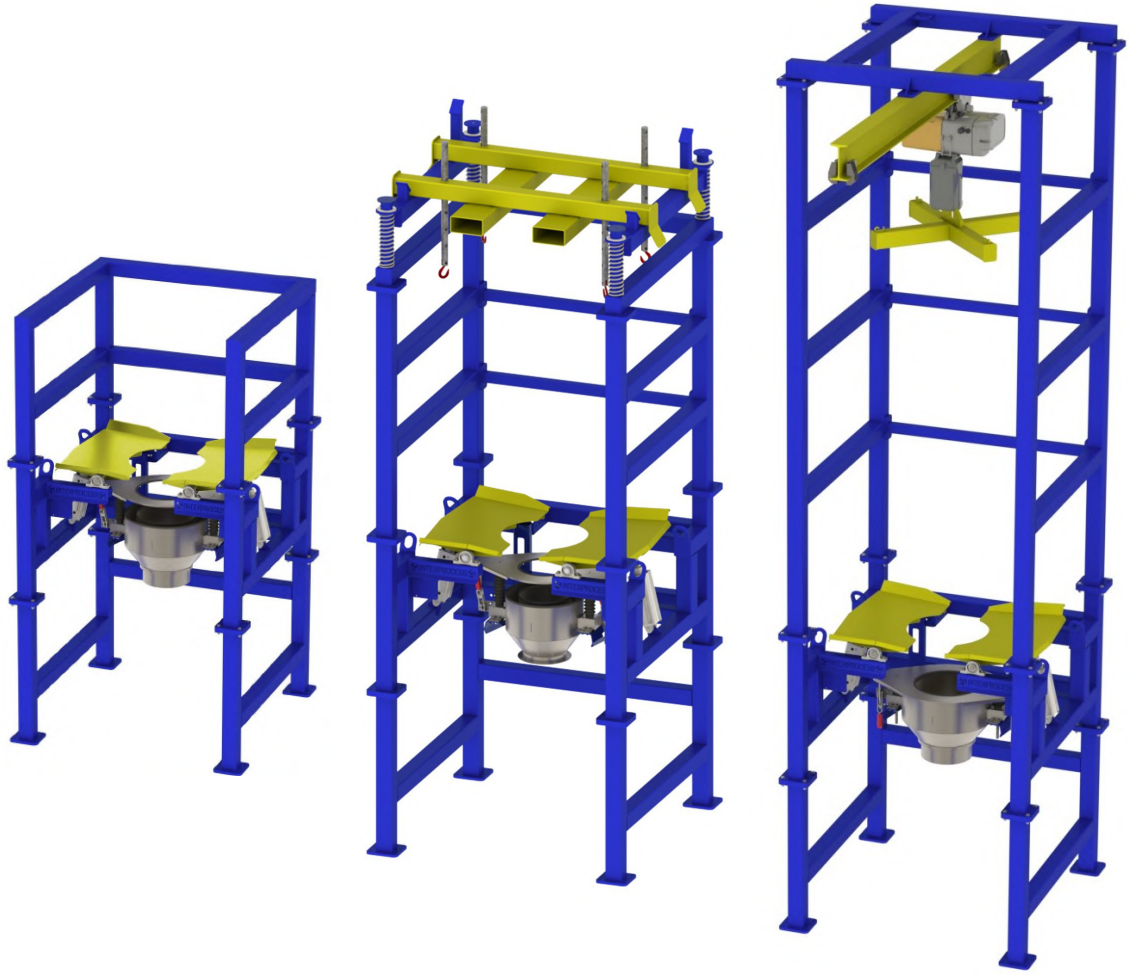
BIG-BAG emptying stations are used to empty large-size bags in a controlled manner. The device provides a safe, efficient and dust-free process with minimal employee involvement.

The whole construction is **made of carbon steel**, powder coated or **optionally of stainless steel 1.4301 (AISI304)** or **1.4404 (AISI316L)**. Elements in contact with the material are made of stainless steel.

The station allows connection to pneumatic transport, screw, vibrating or belt conveyor mounted under the docking station.

The tight connection between the bag and the station makes the emptying process dust-free, and the **massage plates** support free flow in the case of diffucilt-flowing materials. Moreover, the station can be connected to a dust extraction system.

Each emptying station is **designed individually**, on request and according to the customer's needs, for various sizes and types of bags, e.g. a BIG-BAG bag emptying station with a feeder mounted under the docking station, a station without devices for further material feeding or only a part of it.



BSB-SCH MODEL

The station is adapted to work with an electric hoist and a crane available at the production plant.

BSB-WCH MODEL

BIG-BAG is transported by a forklift. Emptying the bag, in addition to the massage plates, is additionally supported by springs.

BSB-ICH MODEL

The filled BIG-BAG is transported to the docking station with an electric chain hoist mounted on the crane, which is an integral part of the station.

SPECIFICATION

- Construction height::
  from 4000 to 6000 mm
- Construction width x length:
  1500 x 1500 mm
- Maximum bag width:
  1000 mm
- Maximum bag height:
  2000 mm
- Construction weight:
  about **1000 kg** (depending on the construction height)
- Maximum lifting capacity:
  2000 kg
- Emptying bags with the outlet spout diameter:
  350 - 500 mm

ADVANTAGES

- Application for a wide range of products
- A safe, efficient and dust-free bag emptying process, even with difficult-flowing materials
- Reduction of losses related to the scattering of goods
- Operation of the device with minimal involvement of personnel
- Ease of use
- The possibility of adaptation to the customer's needs and the dimensions of the bags thanks to the modular design

OPTIONS

- Weighing system
- Knife gate valves
- Possibility to connect a /feeder under the docking station for further material feeding
- Made for the food industry using materials compliant with FDA requirements
- ATEX version

TYPE OF INDUSTRY

- Chemical
- Fertilizing
- Food
- Feed
- Other similar industries

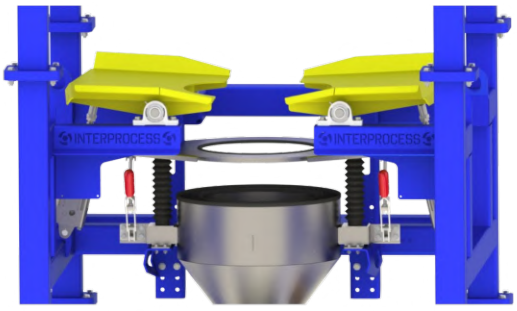
TYPE OF MATERIAL

- Coarse-grained powders
- Fine powders
- Seeds
- Granules
- Various types of difficult-flowing loose materials

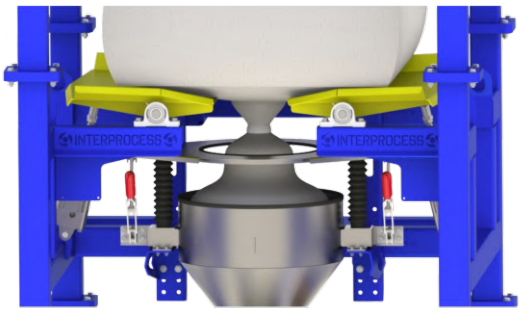
EXECUTION

- Elements in contact with material **made of stainless steel**
- Frame **made of powder-coated carbon steel**
- Optionally made of stainless steel 1.4301 (AISI304) or 1.4404 (AISI316L)

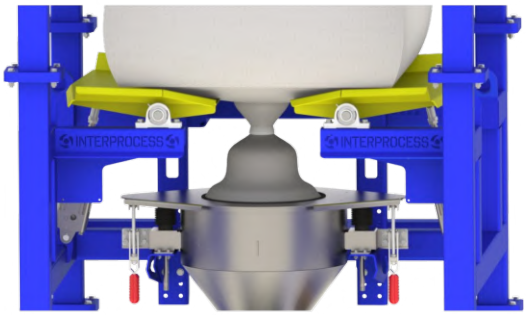
QUICK AND EASY BIG-BAG DOCKING PROCEDURE



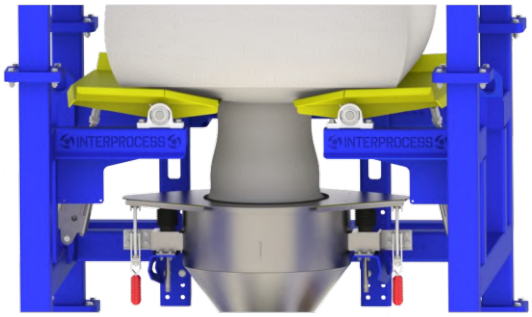
1. Open the cover of docking station.



2. Place the BIG-BAG on the docking station using a chain hoist or forklift. Pull the outlet spout of the bag through the cover and put it on the inner tube of the docking station.



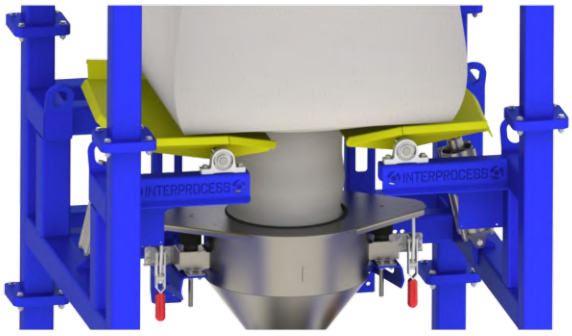
3. Close the cover.



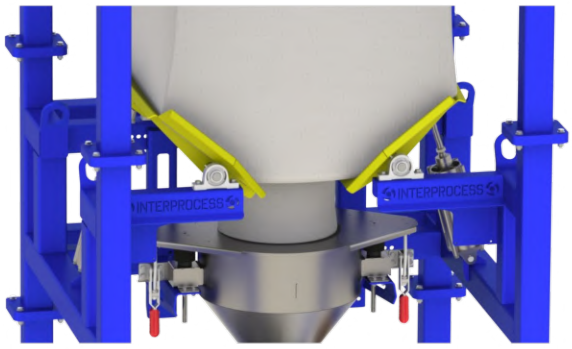
4. Open outlet spout.

MASSAGE PLATES

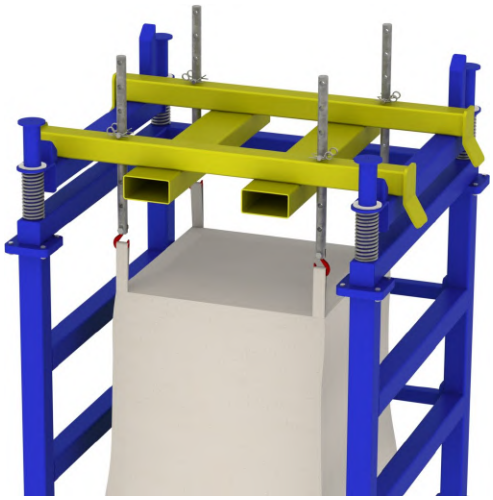
Our devices are used to unload all kinds of loose materials - even **difficult-flowing** thanks to the **massage plates** that constantly move the bag during the BIG-BAG emptying process.

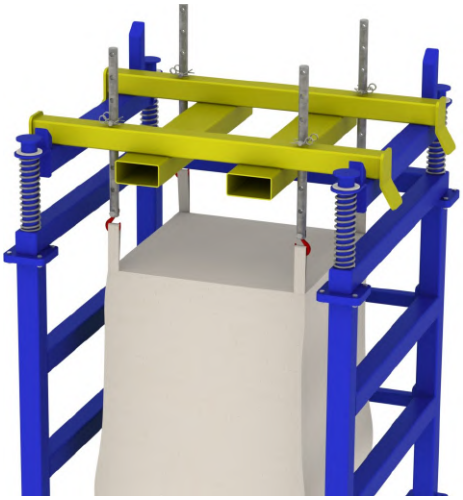


Often used vibrators can additionally tamp the material, which makes unloading difficult. The massage plates controlled by pneumatic actuators gently move the bag, thanks to which the BIG-BAG is emptied completely.

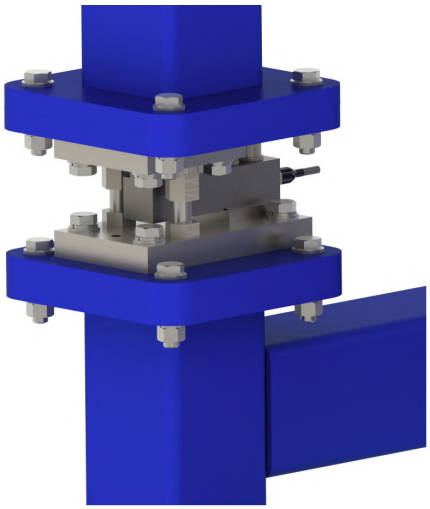


ADDITIONAL SUPPORT FOR EMPTYING BAGS





In the **BSB-WCH model**, the station is equipped with **springs** that lift the bag along with the weight loss in the BIG-BAG. **This additionally supports the emptying process**.



WEIGHING SYSTEM

The BIG-BAG emptying station can be additionally equipped with a weighing system, consisting of four load cells and a control system. Thanks to this, you can check how much a full bag weighs and control the emptying process.

VARIOUS OPTIONS

Our station allows you to connect to various types of devices for further material feeding after emptying the BIG-BAG. This can be, for example, pneumatic transport, a screw conveyor or a feeder. If we add control and a weighing system, we get a complete solution to the problem of dust-free, automated and controlled unloading of BIG-BAG bags and further transport or dosing of loose material.