

BIG-BAG DISCHARGING

Bulk Handling and Processing Specialist



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SAMPLING • DOSING • MIXING • STORAGE • CONVEYING • DEDUSTING • DISCHARGING • FILLING • ENGINEERING

Big-Bag Discharging

Big-Bag discharging systems are specifically designed for discharging a large variety of products from different types of Big Bags. They eliminate dust emissions, product loss and contamination. This modular range encompasses the discharge of single or Multi-trip bags, with or without plastic liner. A number of unique options are available for the safe and hygienic discharge of food, pharmaceutical- and toxic materials

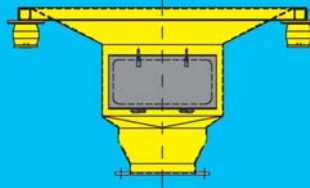
Modular concept

The TBMA range is based on a simple but very flexible modular concept. TBMA has a wide range of expertise in the application of this type of equipment with proven reliability in practice. This is essential for a correct assessment of the right type of system for your particular situation.

The modular set-up makes it possible to customise every system taking into account all customer specifications regarding; type of product, type of bag, environmental aspects, system capacity and budget.

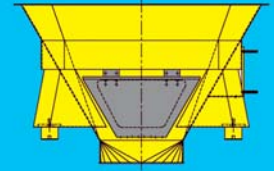
Type LB-1

- Flat discharge hopper
- Suitable for free flowing materials
- Reduced installation height / compact design
- Easy installation in compact areas



Type LB-2

- Conical discharge hopper
- Suitable for poor flowing products
- Suitable for different bag sizes



Many options and execution possibilities:

In order to fully accommodate our customer requirements, the basic discharge hopper can be combined with a number of options and executions;

- Customised top- and bottom frame
- Multi-functional rigging frame suitable for both hoist and/or fork lift truck
- Three-edged cutting knife for single trip Big-Bags
- Dust-free discharge by means of rubber dust membrane
- Vibration motor for efficient discharge of product
- Liner tensioning and clamping mechanism for lined Big-Bags
- Containment enclosure for handling toxic or hazardous products
- Sanitary execution
- 'Drop-stop' to safely tie off and remove partially emptied Big-Bags



Big-Bag discharger Model LB2 with gravimetric discharge dosing system



'Drop-stop' to tie off and remove partially emptied Big-Bags



Big-Bag discharger Model LB2 with three-edged cutting knife and rubber dust membrane



Big-Bag discharger Model LB1 with gantry and chain hoist





Dust-free solution with liner clamping mechanism

The liner clamping mechanism enables a dust-free seal of the liner before product flow is allowed into the downstream system. It ensures a completely clean and dust-free discharge, eliminating product loss or contamination. The clamping device can be executed in either manual- or pneumatic operation.

Optimal handling of loose inner liners

The rigging frame incorporates a unique liner tensioning and retraction system. This system secures the loose inner liner to the rigging frame and is automatically tensioned during discharge. It avoids product entrapment and enables a complete, dust-free discharge. After the discharge cycle is complete, the inner liner is retracted by the system and rolled up to a small and compact bundle. Afterwards it can be removed from the easily accessible retraction frame



Rigging frame with pneumatic liner tensioning- and retraction mechanism



Big-Bag discharger Model LB2 with liner clamping system in containment enclosure for handling toxic or hazardous products



Big-Bag discharger Model LB2 with pneumatic conveying

Complete solution

Every discharge unit can be supplied with a wide range of ancillary equipment for further dosing and conveying of the discharged product.

Combinations can be made with:

- Rotary airlocks or blowing seals
- Screw conveyors
- Pneumatic conveying
- Dosing equipment
- Weighing equipment
- Elevators

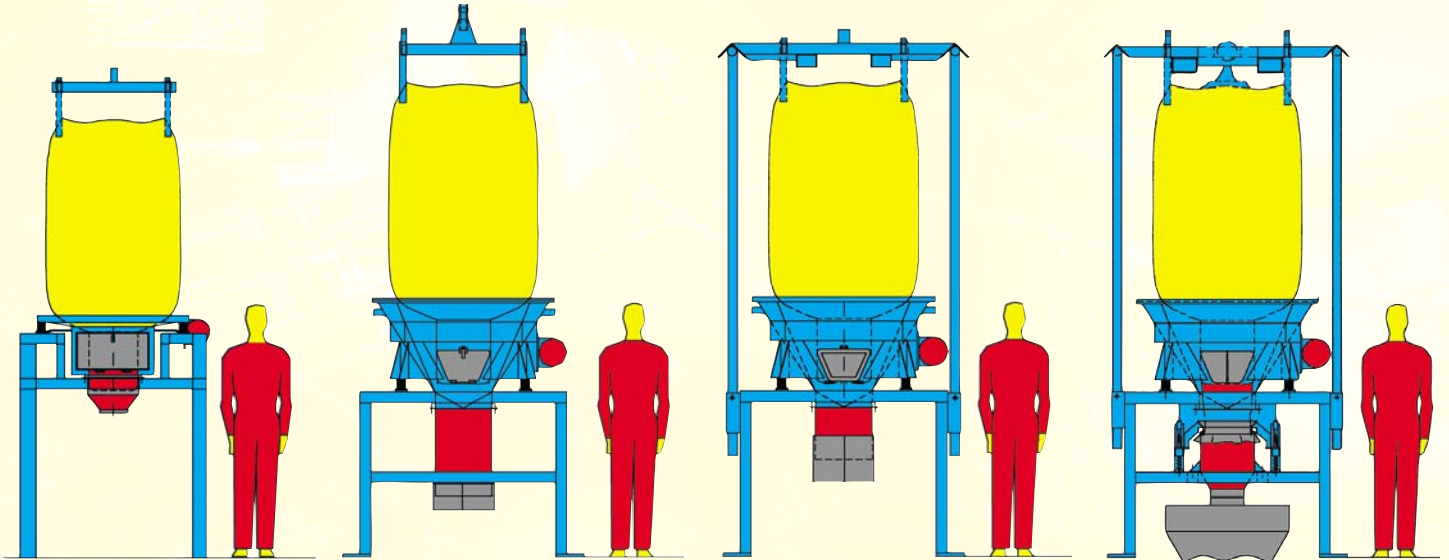


Big-Bag discharger Model LB2 with rigging frame, outlet spout and screw conveyor



Suits every application

The TBMA modular range of discharging equipment makes it possible to select a machine to suit any application and, if necessary, customise it to your needs. A selection of some of the main executions can be seen below

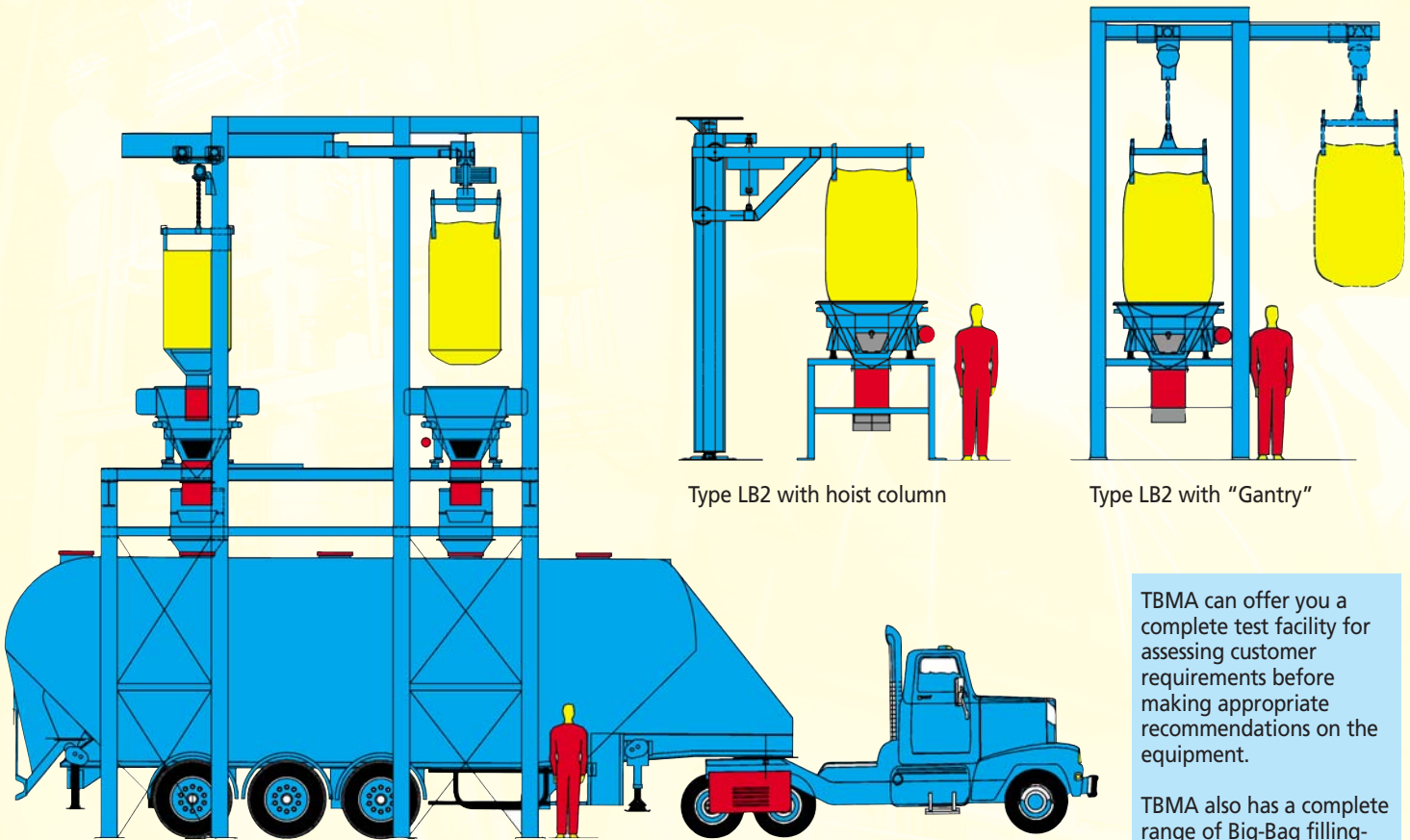


Type LB1 with hoist rigging frame

Type LB2 with hoist rigging frame

Type LB2 with forklift rigging frame and adjustable support arms

Type LB2 with liner tensioner and clamping mechanism



"Bags to Bulk" installation

Type LB2 with hoist column

Type LB2 with "Gantry"

TBMA can offer you a complete test facility for assessing customer requirements before making appropriate recommendations on the equipment.

TBMA also has a complete range of Big-Bag filling- and weighing systems.

TBMA CAN MAKE THE DIFFERENCE. CONTACT US AND FIND OUT!!

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