

BULK BAG UNLOADERS FEATURES and OPTIONS



Vibra Screw® Inc.

BULK BAG UNLOADERS

The Vibra Screw Bulk Bag Unloader provides a safe, dust-free and convenient way to handle and discharge bulk bag. It is available in several configurations to accommodate all styles of bags and all discharge requirements.

With models, options and accessories, Vibra Screw offers choices from a simple unit to complete systems. A simple Bulk Bag Unloader includes a receiving hopper and frame for customer-supported bags. A complete bag handling system might include integral bag hoist and trolley and all necessary material-handling accessory equipment.

The Vibra Screw Bulk Bag Unloader makes handling of bulk bags finally practical by:

- Providing an easy and safe method to lift, support and discharge bulk bags.
- Eliminating dust and spillage associated with other methods of bag handling.
- Permitting controlled, regulated discharge with a variety of feed devices and weighing options.



Choose from a Broad Range of Models and Features

Design your Vibra Screw Bulk Bag Unloader installation to suit your particular needs



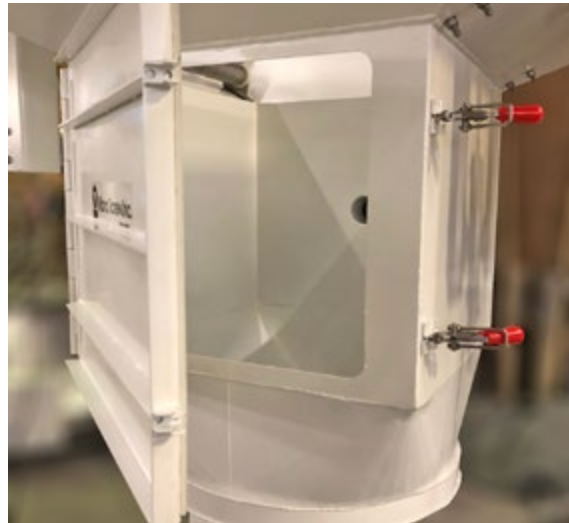
Model 2-VHD
Full Bulk Bag support from Integral "I" beam with Hoist & Trolley.

Model 2-VHD Fork-Lift Bag Rack
An efficient fork lift compatible, bag lifting adapter and integral support frame allow operators to utilize lift trucks to place bags into position on the discharge hopper. Specify an adjustable height frame, and you can change the working height up to thirty percent, an important feature for variable size bags



Model 1-VHD
Simplest design includes a heavy duty support hopper and bag lift adapter for use with your existing hoist & trolley or bag support

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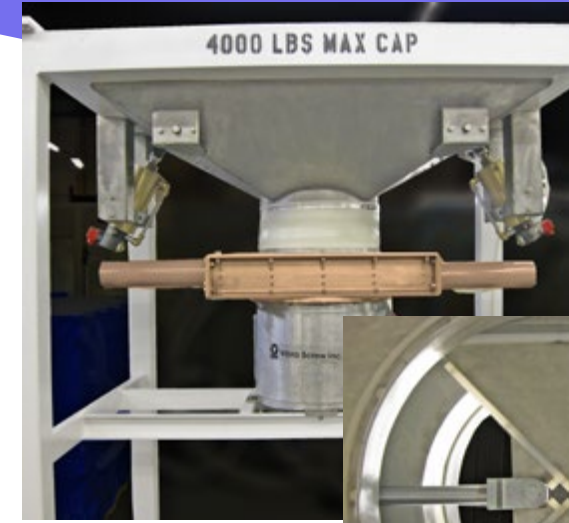
Bag Spout Access Door

18" x 20" access door with quick clamps. Two door access is also available as an option



Access Door Outlet Screen

Weld in place or removable access grate. Prevent bag outlet or liner from entering outlet and down stream equipment (optional)



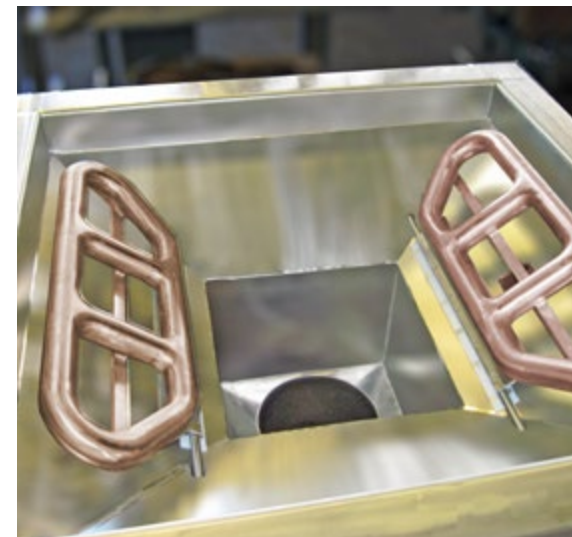
Bag Spout Closer Pinch Valve (pneumatic)

Pneumatic Bulk Bag outlet spout closer, This option provides a means to seal the bag off and re-tie or to simply stop flow of material to the process. The valve is actuated with two pneumatic cylinders that move the v-formed plates toward each other. This bunches and pinches the bag off at the bag outlet spout. The pinch plates are made from stainless steel. This valve is operated automatically or manually as necessary for the specific application. Requires air set with lubricator, two way solenoid valve by customer.



Support Frame Enclosure

Fully enclosed Bulk Bag Support Frame (optional)



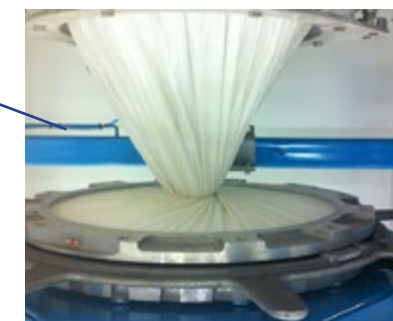
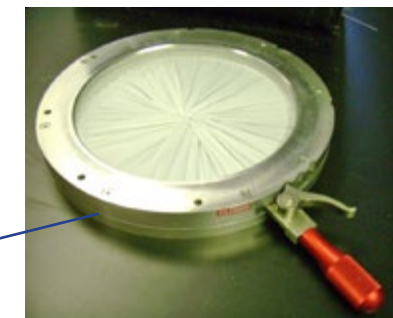
Massaging Paddles

Bulk Bag Massaging paddles (bar type) pneumatically operated, using two air cylinders. Provides a means to condition the bag to enhance material flow out of the bag. Air operated, air set, filter regulator, solenoid valves operated by two timers for on/off operation



Bag Spout Closer IRIS Valve (Manual)

This option provides a means to seal the bag off and re-tie the bag spout. Not recommended for heavy density materials.



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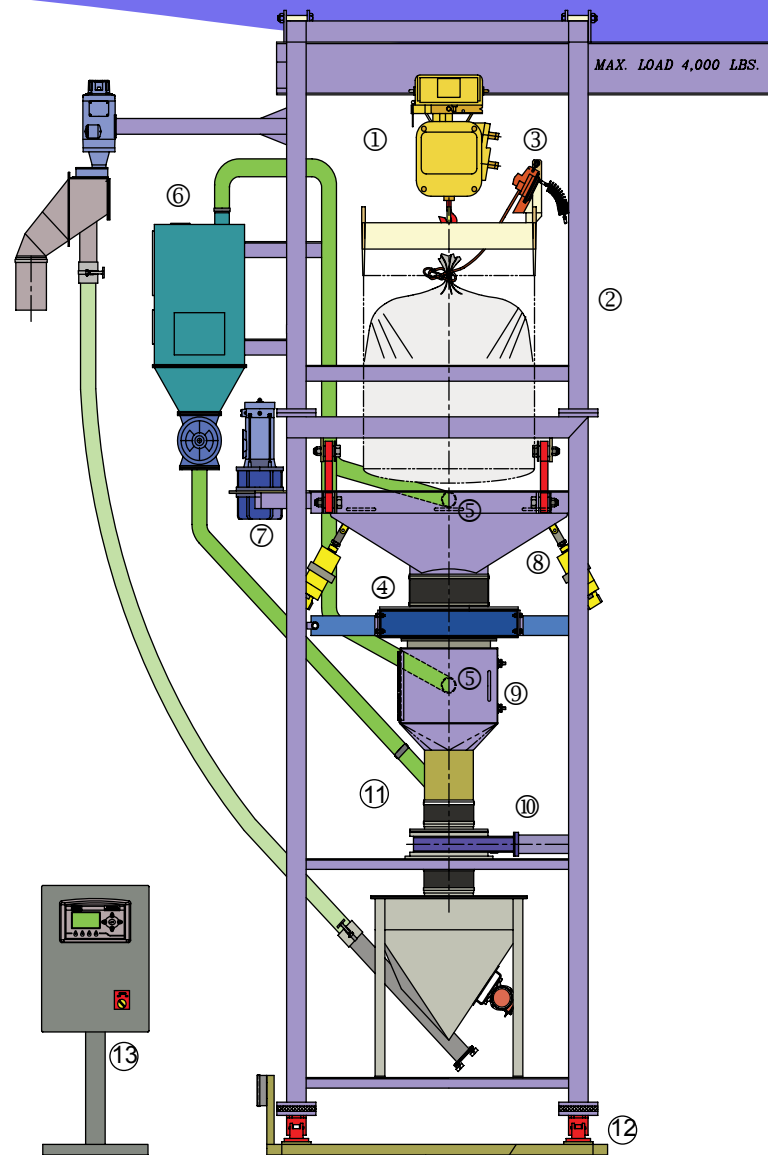
Bag Slitter

Designed for one way bags that have no outlet. Used only with vibrated hopper bottom to assure maximum material flow.



Material Surge Bins

Live Bottom Bin can be mounted integral to the Bulk Bag Unloader frame in sizes from 5 to 100 cubic ft capacity. Assures down stream equipment will not run out of material during bag change over.



1. Hoist with I-BEAM
2. Heavy Duty Steel Frame - fixed or adjustable
3. Bag Line Tensioner (optional)
4. Pneumatic Knife Gate Bag Closure (optional)
5. Dust Collection Ports
6. Dust Collection System (optional)
7. Vibration Discharge System
8. Flow Stimulator Paddle Type (optional)
9. Access Box with Large Door
10. Pneumatic Slide Gate Valve
11. Connector to Feeder, Conveyor or any down stream Device (optional)
12. Load Cell (optional)
13. Loss-In-Weight Batch Controls (optional)



Complete System packages including Bulk Bag Unloaders, vibrated bins, paper bag dump station, Loss-In-Weight continuous and batching systems, and pneumatic conveying systems.



Paper Bag Dump Station

Paper Bag Dump station mounted under the outlet of a Bulk Bag Unloader allows minor ingredient to be added to the same flow stream as the material from the Bulk Bag.



Custom Control Packages

Our control panel capabilities include engineering, designing and fabricating control panels and control systems for our individual mechanical products, and large multiple product systems. We are UL listed and include these standards in our design processes, quality components, and fabrication techniques. We will work with you to design and build to your environmental requirements.

THE VIBRA SCREW GUARANTEE

If your Vibra Screw equipment doesn't perform in the service for which it was sold, we'll refund your money. Ask any other equipment manufacturer to put that in writing.

No time limits. No conditions.

Keeping Dry Materials Moving

With a wealth of knowledge and experience in the use of controlled vibration to process dry bulk materials, Vibra Screw engineers have devised systems to handle most materials --- probably your material included.

As the leader in dry solids processing, our name is recognized and trusted worldwide in such diverse industries as:

- **FOOD**
- **MINING**
- **CHEMICAL**
- **STEEL**
- **FOREST PRODUCTS**
- **PLASTICS**
- **ENVIRONMENTAL CONTROL**
- **ORDNANCE**
- **AGRICULTURE**
- **PHARMACEUTICALS**



Vibra Screw® Inc.

VIBRA SCREW INC.

755 Union Blvd , Totowa, NJ 07512

Ph: 973-256-7410 Fax: 973-256-2114

www.VibraScrew.com