



BulkBuster™ Bag Unloader with bag jostlers, inflatable cuff and pneumatic transporter.

## **A Complete Solution**

Dynamic Air BulkBuster™ bulk bag unloaders provide the solution for effectively emptying large bulk bags and getting the material where you want it in your process. Our experience in the handling of hundreds of different bulk solids assures you that we have the expertise to design a system that meets your strictest requirements.

## **From Powders to Fibers, We Empty the Bag**

Every material has different handling characteristics. Some materials gravity feed easily, but most do not. That's why all bulk bag unloaders need to be engineered for your material. You need proven methods by an experienced company to assure you that your process will run smoothly to maximize uptime. Our many styles and proven designs give us a big advantage in meeting your special process requirements.

## **Accommodates All Bag Styles**

It doesn't make any difference what size or type of bulk bag you are using. If we don't have a bulk bag unloader already designed for your application, we will custom design a new style to meet your specific needs. Variations in capacity, bag height and width dimensions, inlet and outlet sizes and variations in lifting loops are all easily accommodated. In addition, we will prove it works for you, before it leaves our plant.

## **Highly Productive, Yet Safe and Dust-Free**

Safety is always a primary concern when handling and maneuvering extremely heavy and cumbersome bulk bags. Dynamic Air takes every precaution to ensure a safe and dust-free operation. A heavy-duty framework provides the ultimate in stability and operator safety. Operator efficiency is also maximized due to the simplicity of our designs and ease of operation when lifting, positioning and emptying every bulk bag.

## **BulkBuster Bulk Bag Unloader Options:**

- Bag Jostlers
- Electric Hoist
- Glovebox Hopper
- Automatic Bag Slitter
- Vibrating Hopper
- Vibra-Jet<sup>®</sup> Bin Aerators

# From Powders to Pellets, Fibers to

## Forklift Style Lifting Frame Provides Safe and Efficient Bag Handling



Heavy-duty bag lifting hooks with spring actuated safety latches assure positive containment of the bag loops.



A strong, tubular steel lifting frame with built-in forklift channels provides steady and secure bag lifting and positioning.



The lifting frame rests on four independent telescoping legs which are spring activated to automatically raise the bulk bag as it decreases in weight, providing optimum emptying.

## Glovebox Hopper Eliminates Operator Exposure to Material



Hopper features a viewing window and rubber glove access.

A hopper can be provided with glove access and a viewport for bulk bags that must be untied and opened manually. Two inlets with attached rubber gloves allow opening of the bulk bag without any operator exposure to the material. A glass viewport with built-in "air wiper" provides a clear view for quick and easy bag opening.

An iris type valve with a flexible nylon sleeve can be used with the glovebox for applications where partial bag emptying is required. The operator can manually open and close the valve, pinching off the bulk bag discharge spout when the desired amount of material has been discharged.



The glovebox enables easy operation of the iris type nylon sleeve valve.



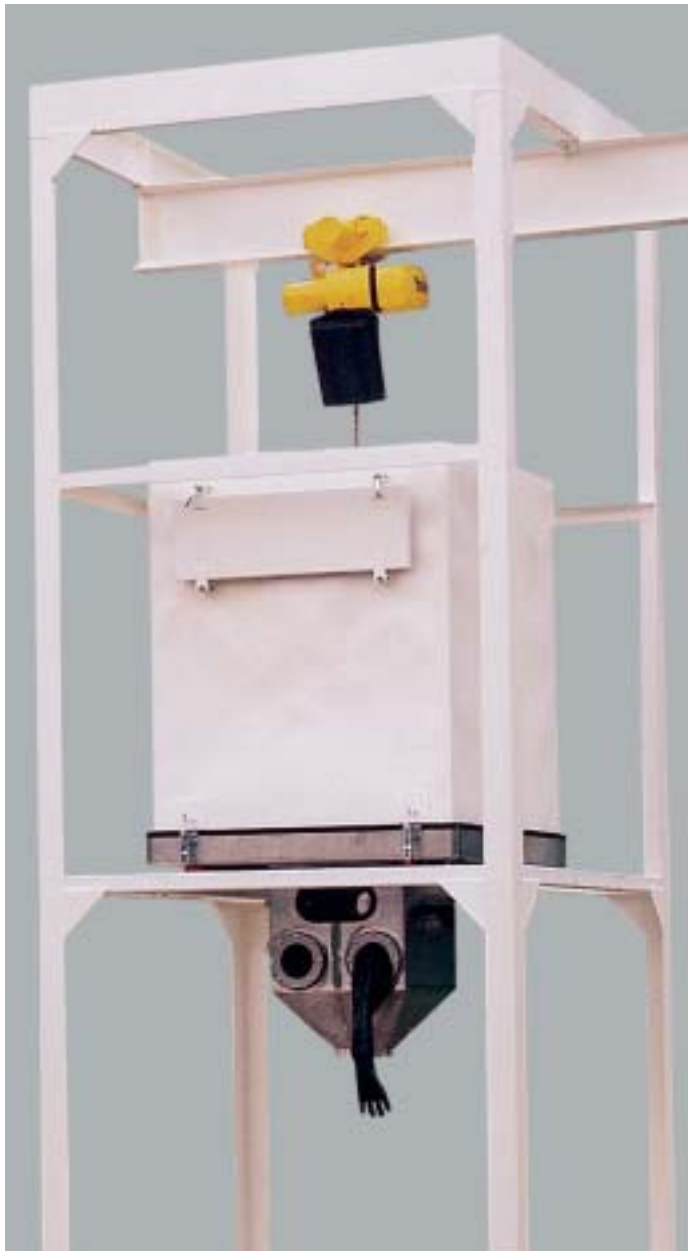
In the open position, the sleeve is flexible to allow the bulk bag spout to be easily pulled through.



In the closed position, the sleeve tightly pinches off the bulk bag spout.

# Granules . . . We Empty the Bag!

## Bulk Bag Unloader Assures Maximum Containment of Toxic Material



The bulk bag is totally enclosed in this lifting box and glovebox system.

The BulkBuster bulk bag unloader shown above includes a totally enclosed bulk bag lifting box with access door to assure containment of toxic materials during bag lifting and emptying.

An electric hoist enables one person to easily position the lifting box over the hopper. The discharge hopper includes a viewport and glovebox for opening the bulk bag without any direct operator exposure to the toxic material.

## Slitter Automatically Pierces the Bulk Bag and Contains Dust



Shown above is a polished 316 stainless steel inflatable cuff style bulk bag slitter with the slitter blade in the upward position.

An air operated bulk bag slitter can be provided for bulk bags which must be pierced to open. The slitter blade is forced upward to pierce the bulk bag and allow material to discharge. The slitter also has a dust pickup collar to contain any dust during discharging and can include an inflatable cuff to assure a positive seal for bags that have an outer spout.



Shown above is a bulk bag slitter without inflatable cuff and the slitter blade in the retracted position.

## Bag Jostlers, Vibrating Hoppers and Bin Aerators Promote Material Flow

Optional air actuated bag jostlers can be provided to agitate and dislodge material from the bulk bag. They are programmed to operate in a sequence which best suits the particular application for maximum performance.



Air operated bag jostlers provide variable bag agitation.



Shown above is a vibrating hopper with viewport and glovebox.

For very coarse granular materials, a vibrating hopper can be provided with any BulkBuster bulk bag unloader. The vibration enhances gravity feeding for fast and complete material discharge.



Vibrating hopper enhances gravity feeding of coarse materials.

For very fine granular powders that tend to bridge or hang up, Vibra-Jet® bin aerators can be provided to promote free flow of the material.



Vibra-Jet bin aerators enhance flow of fine granular materials.

## Custom Designed Systems to Meet Your Specific Application

Dynamic Air will provide a comprehensive bulk bag unloading system to get your material out of the bag and into your process. Complete systems can include feeding, weighing, batching, blending, mixing, conveying, storage and master control equipment. We offer complete engineering and design and a full scale test facility.



BulkBuster Bag Unloader with bag jostlers, inflatable cuff, bag splitter, vibratory feeder and pneumatic transporter.

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