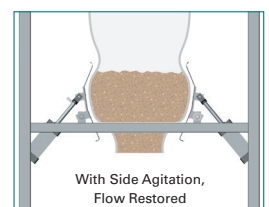
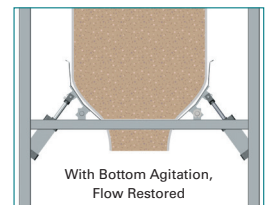
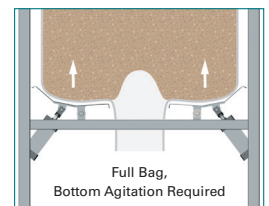
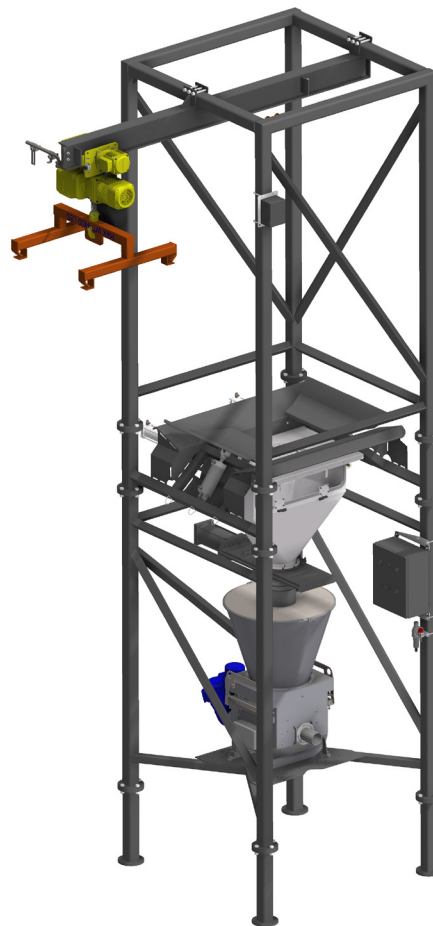


Integrated Bulk Bag Discharging & Feeding System

- Complete bulk bag discharging loss-in-weight feeding system
- Optional integral dust collector available to reduce airborne materials
- Refill gate is automatically controlled by the feeder controller
- No conveying from the bulk bag unloader to the feeder ensures precise material discharge into your process
- Flexible connectors ensure a dust tight connection to your downstream process



Coperion offers a complete bulk bag discharging loss-in-weight feeding system. The system includes a dust sock for reducing air borne materials and an integral refill hopper, which is available in both industrial and sanitary versions. A refill gate and flex connector ensure that the proper amount of material is being discharged from the bag into the feeder. The integrated feeder control feeds the material according to the programmed specifications. By utilizing a Coperion FPM bulk bag discharging loss-in-weight feeding system you receive the benefits of improved accuracies, easier bag disposal, and reduced operator involvement.

SacMaster® Bulk Bag Discharging Application

SacMaster® is a modular designed system for easy customization and compatibility. It includes all the important features and functions identified by bulk bag manufacturers and users throughout the industry.

Bag tensioning, hoist loading, height adjustability and the agitation system make SacMaster® the right choice for titanium dioxide, sugar, calcium carbonate, cocoa powder and a wide range of other bulk materials.

Operating principle

With a full bag of material, dual-pivot paddles are activated and push against the bottom of the bag breaking material bridged over the outlet as well as agitating the sides of the bag near the spout.

Air cylinders push the paddles further toward the center of the bag until a proximity sensor located on one of the air cylinders determines that the bag is nearly empty. The proximity sensor holds the air cylinders in the extended position to empty the bag corners while continuing to agitate the bottom of the bag. As a result, the bag is completely emptied.

MechaTron® Feeder

Application

The MechaTron® feed system is used for continuous volumetric and gravimetric feeding of bulk solids, powders, granules, chips, flakes and fibers. Typical applications are found in any industrial area, particularly in the plastics, chemical, food, dairy and pet food industries.

Operating Principle

The MechaTron® feed system is used as a volumetric or gravimetric feeder operating on the loss-in-weight principle. With loss-in-weight feeders, the actual feed rate is determined from the decrease in weight per unit time. A controller compares the actual feed rate to setpoint and controls the helix.

When going through frequent material changes or multiple cleaning cycles, the MechaTron® provides the perfect solution for reducing the maintenance time during those operations.

With complete disassembly from the non-process side of the feeder there is no need to remove upper extension hoppers, bins, bulk bags and IBC's to clean or maintain the feeder. This feature alone results in tremendous time and cost savings.

A choice of multiple configurations that include: single screw, twin screw, vibratory, high and low capacities, flexible or stainless steel conical hoppers provide the versatility to accommodate any unique dry material feeding application.



Coperion

7901 NW 107th Terrace
Kansas City, MO 64153
816-891-9300
info@coperion.com
www.coperion.com/fpm