



www.3SigmaSystems.com
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Shape-It™ Bulk Bag Unloader
Tube-It™, Close-It™ Valve
Product – Plastic Powders
Case History 3S-1224

Background:

Client contacted 3Sigma needing an immediate solution to fulfill a new contract. The goal was to fill drums, and smaller packages, from a bulk bags, by weight, in a dust tight fashion. The equipment was needed within two weeks. 3Sigma was able to provide the required equipment within the required time frame.

Customer Needs:

- System delivered within two weeks
- Accurately batch product from bulk bags directly into drums
- Dust containment
- Proper discharge of various bulk bags
- Class II, Div. 1 area

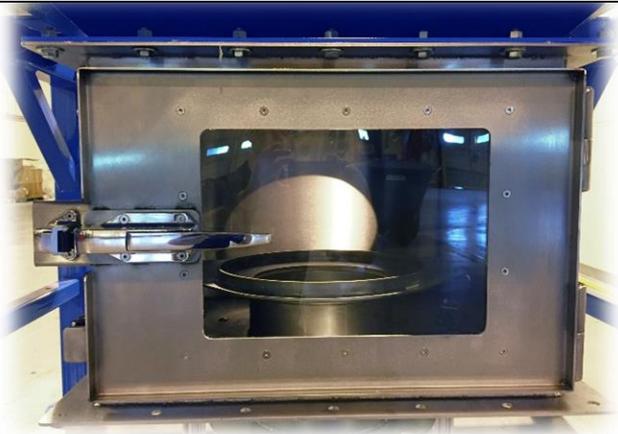
Solution:

- 3Sigma met the customer's need by delivering the necessary equipment in **one week**
- A Shape-It™ bulk bag unloader was supplied that utilizes vertical vibration to shape the bag to ensure proper discharging
- The unit is fitted with the Clamp-It™ positive seal and our Close-It™ Valve bag closure system. Both are air operated.



Bag Shaped by Vertical Vibration





- The extra-large Contain-It™ chamber is used to access and untie the bulk bag. Due to its size it easily contains all spills, when they occur.
- Inside the chamber, the Clamp-It™ system clamps the bulk bag to the Tube-It™ discharge tube, creating a positive seal between the bag and the downstream equipment

- The operator uses the Close-It™ bag spout valve system to accurately fill drums. In this instance the operator manually operates the valve, partially closing and then completely closing the Close-It™ valve, thereby stopping the flow of product and accurately filling the drums



Close-It™ Valve System



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Our client was extremely satisfied with the equipment and has since purchased a second unit.

BETTER BY DESIGN™

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America