



**PACKAGING SYSTEMS**  
International Incorporated

# Bulk Bag Filling System

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Bulk Bag System is used to fill FIBC's (bulk bags) from 500lbs to 2500lbs for storage and transporting of dry products. The frame is constructed of heavy-duty welded tubular steel and is mounted on four (4) Mettler/ Toledo Centerline Weigh Modules connected through a summing box, controlled by Allen Bradley CompactLogix PLC for weight control. A radial feed gate is used to control both bulk and dribble flow of free flowing products into the bag. Other options are available for products that tend to bridge. The bag spout is held in place by an inflatable seal and a velcro strap to prevent slipping and dust flow back through the bag spout opening. A double wall filling spout in conjunction with a 3" diameter vent for connecting to the plant's dust collection system to control the dust generated by the filling operation. A CDLR conveyor is used to convey the filled bag out of the filling area after the bag is filled. PSI utilizes a vibrating grid table with an air or electric operated vibrator to lift the bag off the CDLR conveyor and the load cells to settle and densify the product in the bag. The support frame incorporates a 10,000lb electric screw lift carriage with bag strap hangers to raise the partially filled bag off the pallet and thereby removing wrinkles and unfilled corners for a more stable loaded bag.

## Features

- Product Contact Surfaces - Mild steel, 304 SS or 316 SS.
- Fill Station Conveyor - CDLR conveyor.
- Support Frame - Heavy-Duty welded tubular steel.
- Vibrating Grid Table - Air or electric operated vibrator mounted on air boots to isolate vibration from the scale system..
- Toledo Weigh Modules - (4 required) Included is a DigiTol Power Module to process the analog signal into a high digital signal.
- Bulk Bag Fill Spout - Double-wall and is equipped with 3" vent for attachment to Purchaser's dust collection system.
- Air Inflator Bag Holder - Air operated clamps securely hold the bag inlet sleeve to spout.
- Logic/ Motor Control Enclosure - NEMA 4 dust-tight enclosure complete with IEC style electrical components and "Emergency Stop" push button.
- Adjustable Bulk Bag Support Assembly - Raised and lowered by a 10,000lb motorized screw jack.

# Options

**BULK BAG SIZES:** All FIBC bags.

**FILLED BAG WEIGHT:** 500lbs and 2500lbs.

**PRODUCTION RATE:** Depends on product characteristics.

**MOTORS:** Explosion Proof Enclosures.

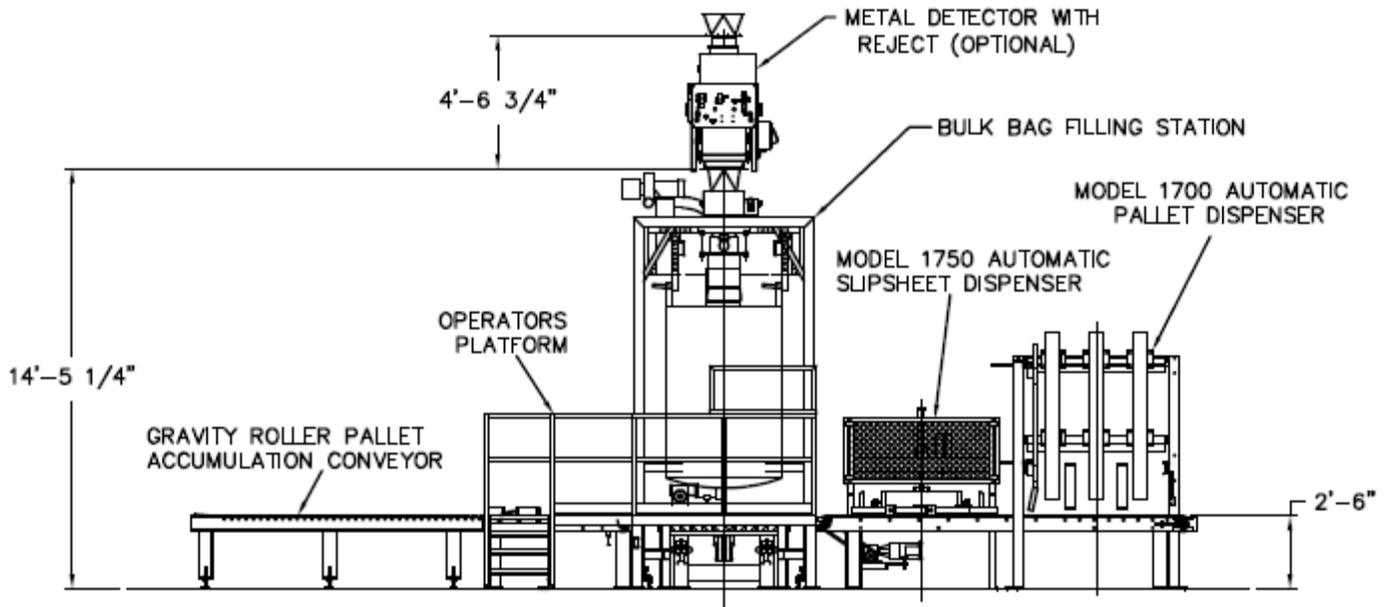
**PALLET DISPENSER:** Automatic dispensing and positioning of pallets replace manual handling of pallets in automated material handling systems.

**SLIPSHEET DISPENSER:** Automatic dispensing and positioning of slip sheets to pallets.

**PAINT:** PSI's standard machine enamel – Light Grey.

**PRODUCT CONTACT SURFACES:** Mild steel, 304 SS or 316 SS.

**LINER INFLATOR BLOWER/ EXHAUST TO DUST COLLECTION**



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