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## Product Profile: “Zero-Lift” Bulk Bag Filling System

IEDCO’s “Zero-Lift” Bulk Bag Filling System has a custom designed base that permits the placement of pallets and the removal of the filled bulk bags using a pallet jack rather than a walking stacker or forklift.

The entire base is mounted on load cells and inflatable air bags, which permit loading and unloading in the lowered position.

When the air bags are activated, the platform is elevated off the floor, so as to not interfere with the weighing, and the bulk bag is filled in this position. Upon completion of the filling process, the platform is lowered, and the bulk bag is easily removed.

The “Zero-Lift” Bulk Bag Filler can consist of all or some of the following:

- Load Cells with Support Frame
- Weigh Deck with Air Bags
- Bag Support Frame
- Pneumatic Inflatable Fill Head
- Controls with Batch Controller
- Bag Inflation System
- Vibrators for Densification
- Nitrogen Inertion System



The bag support frame can be designed at specific heights or can be adjustable to serve a variety of bulk bag sizes.

- A-frame style supports are bolted to weigh deck outriggers.
- Top support frame houses the fill head and bag hooks.
- Two pneumatic actuators with four hooks to support bulk bag.
- The frames can be of 304 or 316 stainless steel construction.

We build a “U” shaped base frame to which load cells will be bolted, rather than directly to the floor. This permits all alignment to be done in our factory and greatly facilitates installation.

We provide a set of Mettler Toledo weigh modules to provide the highest degree of accuracy and reliability. An inflatable air bag will be mounted on top of each weigh module and then the weigh deck or platform will be bolted to the air bag. The air bags lift the unit off the ground when inflated, and allow for accurate readings by the scale system.

