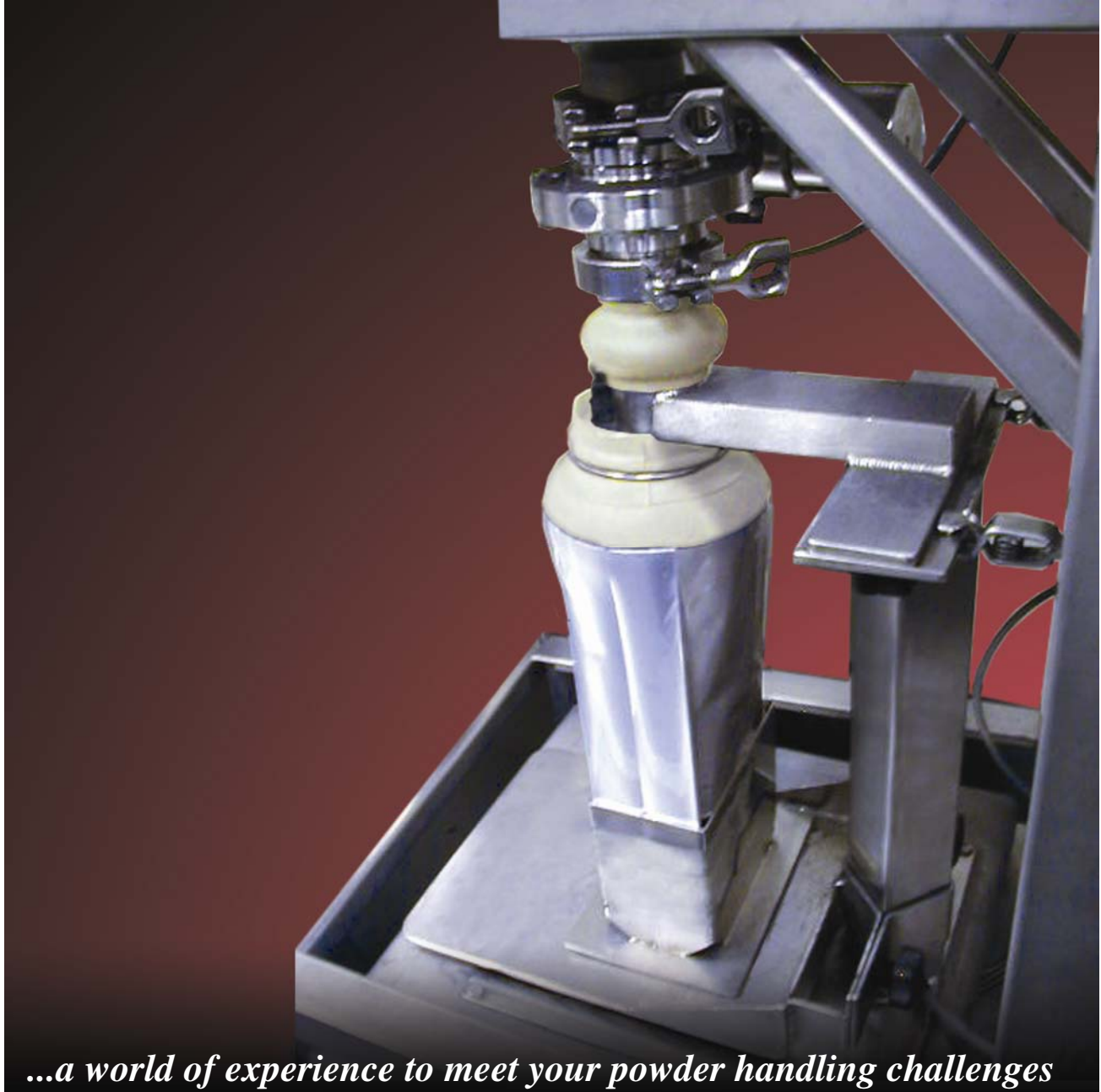


filling & packaging systems



Industrial Equipment & Design Company

Filling & Packaging Systems

Filling Systems

If one of your final products is a powder that has been blended or processed, you will have to package that material, whether it is in bulk bags, drums, sacks or boxes. As a result you are faced with having to address the following challenges:

Getting the product from the process to the filling system.

Filling the package to a required accuracy.

Dealing with product settling to de-aerate the material and permit an efficient fill.

How to best handle the filled package, i.e. by roller conveyor, forklift, pallet jack or some other means and designing the fill station to accommodate the method of handling.

Filling the package so that neither the operator nor the surrounding area is exposed to dusting.

Handling of the filled packages in the most efficient and ergonomically acceptable way.

Custom Filling Systems

At IEDCO we have a great deal of experience in these areas and can work with the customer to design and build a customized filling and packaging system.



Drum Filling

Whether the drums are metal, fiber or plastic we can provide a fully contained and accurate filling system.

Whether the requirement is manual, low-rate or a high rate, completely automated, or something in-between, IEDCO can handle it.

Combine our accurate Sanitary Rotary Valve and Mettler Toledo scales and controls and you get the best filling system on the market, at a very affordable price.

Tray Filling

The filling of powders into trays, mostly for placement into dryers or furnaces are traditionally filled by hand. With today's ever increasing concerns about ergonomics and carpal-tunnel syndrome there is a strong need for automatic or semi-automatic filling systems.

We have developed several such systems, which include the completely automated system shown here. We have also developed simple and affordable, volumetric tray filling systems that solve most of today's concerns.



“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 IEDCOPACK



The **IEDCOPACK** permits most powders to be transferred from a drum (or other container) and automatically and accurately batched into a pouch, bag, bucket or other container. The completely self-contained system eliminates all of the containment, ergonomic, safety and quality issues associated with the manual scooping and weighing operations which are so prevalent in the food, chemical and pharmaceutical industries.

The **IEDCOPACK** product line is another example of IEDCO’s commitment to simplicity, hygiene and accuracy in that there are no moving parts in the entire transfer and batch system. No bearings and no motors means low maintenance and easy cleaning.

Each **IEDCOPACK** is custom designed to project specifications and usually consists of:

- Pneumatic Vacuum Transfer System
- Feed Lance
- Surge Hopper
- Rotary Valve Feeder
- Inflatable Fill Head
- Mettler Toledo Scale
- Control Panel with IND560 Batch Controller
- Support Stand (stationary or portable)

All you need to do is plug it in to a wall socket and a 3/8” air line and you’re “up and batching”. Accuracies to +/- 1 gram are achievable, as required.



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Getting Powder & Tablets From Point “A” To Point “B” Is Our Only Business



Specializing In

- Engineering & Systems Integration ■ Bag Handling
- Batch Systems & Dispensaries ■ Bulk Bag Filling & Unloading ■
Containment Systems ■ Control Systems ■ Tablet Handling
- Intermediate Bulk Containers ■ Column Lifts, Blenders & Wash Stations ■
Drum Handling ■ Sampling Systems ■ Vacuum Conveying Systems
- Feeders & Valves ■ Filling & Packaging Systems

