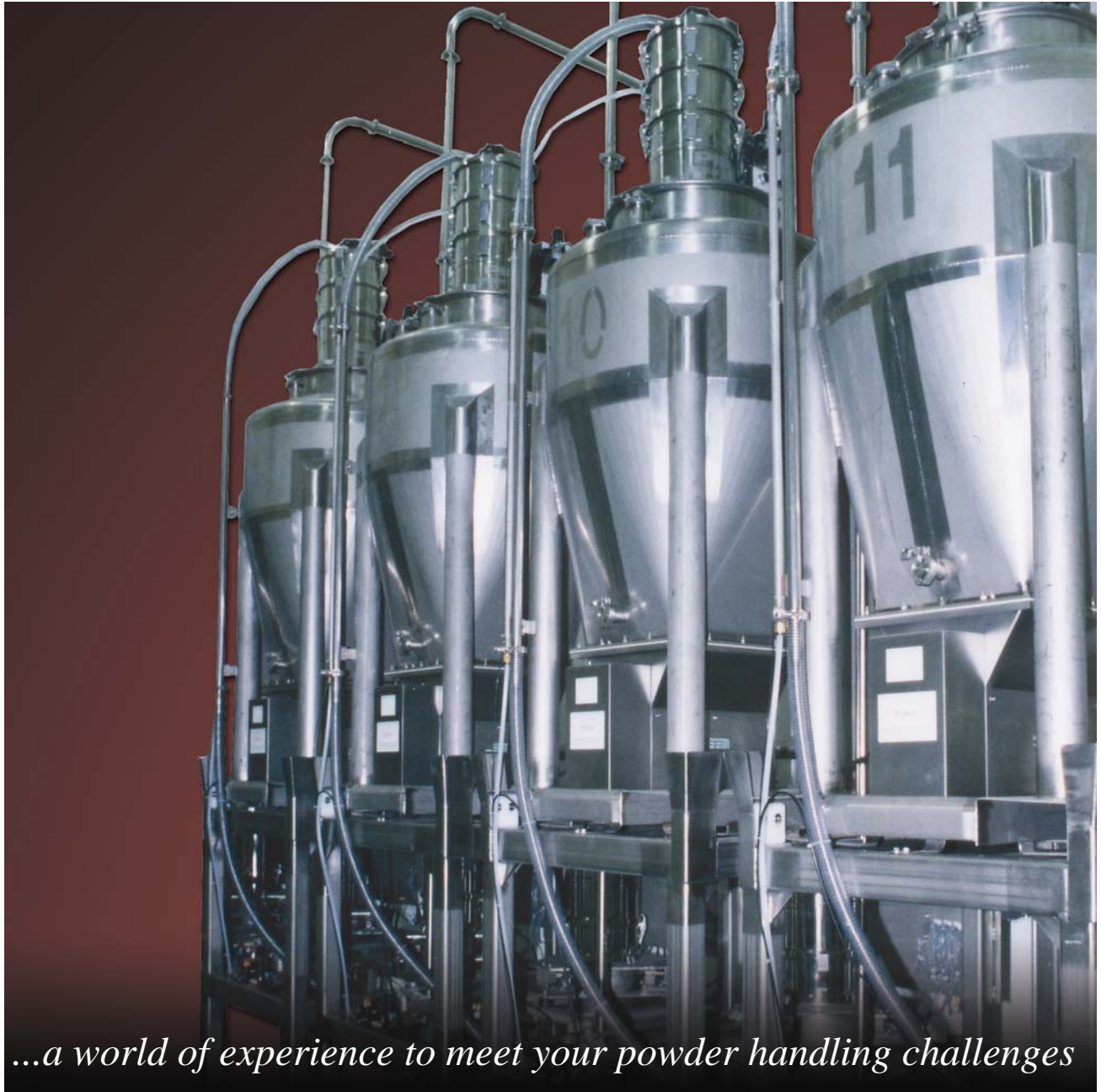


# *batch systems & dispensaries*



*...a world of experience to meet your powder handling challenges*

by



**Industrial Equipment & Design Company**

# Batch Systems & Dispensaries

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At the heart of many process systems is the need to weigh out a specific quantity of one or more ingredients, for further processing. This procedure is often referred to as dosing, dispensing or batching. IEDCO has a great deal of experience and expertise in this area and can design, manufacture and integrate batching systems with accuracies to +/- 0.00 pounds.

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## Loss-In-Weight or Gain-In-Weight

Batch systems obviously involve the use of a scale system to provide the weighing. The scale can be used on a “gain-in-weight” or “loss-in-weight” basis. Each has its pros and cons and our experience permits us to help you evaluate your specific needs and help you choose the right system for your specific operation.

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## Scales and Controllers

We do not manufacture our own load cells, scales or controllers. We are not married to any one manufacturer, but when left to our own resources have chosen to standardize on the use of *Mettler Toledo*. Having said this, we strongly believe that if you have a facility full of scales and controllers supplied by another manufacturer, we should use that manufacturers products. Having a local scale distributor or supplier, with whom you are happy and who provides you with calibration and other support services, is a very important aspect of any batch system.

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## Batch Feeder

At the heart of any batch system is a feeder. Traditionally this feeder is a screw feeder, a vibratory feeder or a belt feeder. IEDCO has installed many such traditional feeders in a batching system. However, we have recently eliminated all such feeders from our batching systems and replaced them with Sanitary Rotary Valves (see Feeders & Valves brochure). We have successfully integrated rotary valves into our batching systems and have achieved **batching accuracies of +/- 4 grams!** No other feeder we have found matches the Rotary Valve in accuracy, low maintenance or value.



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## Powder Transfer Systems

Getting the powder from its container to the feeder system and from the feeder to the target, whether it is a tank, hopper, IBC, drum or some other process, is our business. Choosing and integrating the right transfer system into your batch system is obviously another very important aspect of a batch system.

Our expertise in this area contributes significantly to your next batch system being the very successful installation that you want it to be.

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## Automation

To what extent you want or don't want to automate your batching system is another major consideration. High-level automation may not be desirable or affordable now, but providing for it in the future may be the way to go. Automation options are numerous and deciding on what is right for you is another very important aspect of your batching system. We design and build all of our own control systems so we are well equipped to meet all of your needs in the area of control automation.



## Flexibility

Most people know what their batching needs and specific recipes are today. But in this ever changing and competitive environment you may have to make something you never dreamed of, six months from now.

This means that designing maximum flexibility into your batch system is the most important part of your batch system investment. Flexibility in this context can affect every aspect of the system. At IEDCO we know how important this is and we know how to build it into your system.

## Testing Capabilities

At IEDCO we like to take as few chances as possible with both your money and ours. To this end, we are able to test most ideas and materials at either your facility or ours. This is another very important aspect of a system design. We know from experience that just because two ingredients may have the same name doesn't mean they necessarily handle and behave in the same way. Knowing as much as you can about your powders ahead of time, combined with flexibility in the system design, contributes greatly to a successful installation.



**Small Ad Weigh Station**



**IBC Fill Station**

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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

