



I-2/BPST

Bulk Processing Systems Technologies, Inc.

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APRIL 2011 NEWSLETTER

Thank you for choosing I-2/BPST, Inc. as your local source for product handling equipment, manufacturing technologies engineering, and system installation. We appreciate your business and would like to remind you that we are here to help. Please contact us with all of your questions and concerns about our products and services and don't forget to tell us about your upcoming projects!

WWW.I-2BPST.COM

This month, we have updated our website with an easy to use contact page. If you have an upcoming project and would like to speak with a project engineer at I-2/BPST, please take the time to fill out our contact page- we will immediately direct you to the equipment you need and will engineer a site-specific system for your new equipment free of cost! As always, customer service is our priority- we are here for you!

NEW JERSEY POWDER SHOW

I-2/BPST, Inc. will be represented at the **New Jersey Powder and Bulk Engineering's 2011 Northeast Conference & Exhibition**. The conference is being held at the **Garden State Exhibition Center** in Somerset, New Jersey. Please come stop by our booth: **#329** to view some of our newest products and manufacturers!



DURING THIS FIRST QUARTER OF 2011

We have accomplished many challenging projects. In these following few case studies we are very proud to have provided our clients with innovative solutions for their processing problems.

I-2/BPST: YOUR LOCAL REPRESENTATIVE

This month, we are updating our manufacturing representatives and product line cards. Look forward to viewing our new equipments later this month!



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Our New Contact Page: <http://www.i-2bpst.com/contactus.html>.

Take down our information for your comments, questions and for upcoming projects.

Provide us with your contact details, and we will respond with the information you need.

Select the types of processes you are interested in equipping at your company. We will do the leg work by providing you with the manufacturers and specific systems that may work for you.

Tell us about your business here at the bottom, so we may tailor your results to your specific needs.

The 2011 Powder and Bulk Engineering Conference & Exhibition

This event is being held at the DoubleTree Hotel & Garden State Exhibition Center in Somerset, NJ on May 23rd, 2011 through May 25th, 2011



Make a point to come by Booth # 319 to visit your friends at I-2/BPST and view some of our finest new equipments.



CASE STUDY

A pet food manufacturer in southern New Jersey chose I-2/ BPST, Inc. to provide an innovative system for ingredient weighing and delivering, along with the capacity to package into a pellet form. This pet food manufacturing company had expanded the capacity of its plant by installing two new extruders on site. However, the new extruders were fed by a product premixed onsite, consisting of a variety of major or minor ingredients.

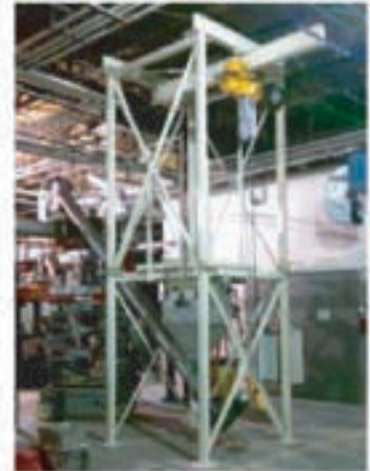
PROBLEM

The plants operating technicians were not able to keep up with the maximized extruders capacity- twice the previous amount of physical labor was needed to produce the necessary pre-ingredients for the updated extruder capacity.

SOLUTION

Tony Rigolosi, project engineer at I-2/BPST, Inc. suggested an innovative processing system for this New Jersey manufacturer. At this southern New Jersey plant, a **bulk bag unloading system** was installed with a specialized **load cell weighing system** with **multiple KWS delivery screw**

feeders. This system allowed amounts of the primary and secondary ingredients to be delivered to the pre-mixers accurately and directly from the bulk bags. This system relieved the exhausted labor forces and significantly decreased the dust pollution hazard on site.



PROBLEM

The same pet food manufacturer now faced a new problem: storing the pelletized material for in-house use.

SOLUTION

Again, I-2/BPST engineer Tony Rigolosi came up with a solution; He designed and supplied a system of bulk bag filling equipment positioned on load cells to weigh and store the fragile pellets. To prevent breakage of the fragile sticky pellets, an Aero-mechanical conveyor system was supplied to convey the pelletized material from the extruder to the bulk bag filling unit. The system was supplied with both visual and audio alarms for minimal operator interference.

We would love to hear from you!

Please fill out the following survey and tell us about your experience with I-2/BPST, Inc.

Name (Company Name): _____

Location: _____

Last Date of Contact: _____

Tell us about our services: _____

Would you like to continue to receive information about the products and services we offer? _____



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ANOTHER CASE STUDY

A Famous New Jersey Bakery chose I-2/BPST, Inc. to resolve a reoccurring discrepancy in their recipe: the existing weigh bins of the bakery had become obsolete and were in need of replacement. Gary Datta, project engineer at I-2/BPST, provided the bakery with information about the newest technologies in bulk weighing and dispensing. Together, Mr. Datta and the bakery chose a system which accurately weighed products for their large scale bakery, as well as improved the flour flow.

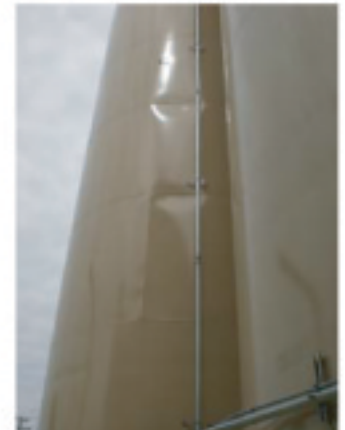
The **Metalfab Bin Activators** are a new technology in the dry solid material handling field developed to prevent reoccurring roadblocks on the production line. This new aged equipment funnels product from a container through a vibrating cone, which prevents the material from bridging and rat-holing and achieves positive discharge due to the properties of vibration. In the Metalfab Bin Activator, a baffle is also present in the conical funnel which acts like a wedge and positions the material in an adjacent direction to the conical form of the funnel. This system delivers a steady stream of material through the bottom outlet of the bin activator.



A SIMILIAR STORY

A similar bakery in New Jersey had a similar problem: the flour flow while discharging was inconsistent due to rat-holing and bridging caused by the cohesive properties on semolina flour. The flour was being held in steel silos before discharge. From the adjacent pictures, the vacuum suction caused by the bridging and rat holing of the semolina flour caused the steel walls of the silos to collapse in on themselves.

I-2/BPST provided this large scale bakery with a similar solution: a Metalfab bin activator. This equipment allowed consistent discharge of the flour from the silos and it prevented any more bridging and rat-holing from occurring. This turn-key solution not only restored the function of the silos, but improve the efficiency of the bakery as well!



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"The #1 source for bulk processing equipment in the tri-state area"