

**NEW WASTE FOOD TO ORGANIC FERTILIZER PLANT  
BUYS ALL PROCESS EQUIPMENT FROM I-2/BPST**

In 2009, Converted Organics built a new waste food to organic fertilizer plant in Woodbridge, NJ. The organic fertilizer is sold at premium price for golf courses around the tri-state area. The chemical components in standard fertilizer kill the animals living among the golf courses. Thus, the demand for organic fertilizers is high with regard to turf building.



Since, 2005 a group of investors worked with I-2/BPST engineers to select proper equipment appropriate for the plant. I-2/BPST has supplied various clarifier tanks, Nedco Infeed Conveyors, Witte Fluid Bed Dryer, KWS vertical Screw Conveyors, Metalfab Feeders, Scott Continuous Blender, Fox Educator Pneumatic Conveying Systems, Dust Collectors, Spiroflow Aero-Mechanical Conveyor and Express Scale Packaging units. The Converted Organics plant produces dry fertilizer at a rate of 5 tons/hr.



**Your Single Source  
For Your Engineering,  
Bulk Solids Handling &  
Process Equipment Needs**



**PACKAGING CONVEYING SYSTEM FOR ENERGY BAR MANUFACTURER, NBTY  
IN LONG ISLAND, NEW YORK**

*During The Recession  
More Companies Trusted  
I-2/BPST with Their  
Plant & Process Investments  
Than Ever Before!*

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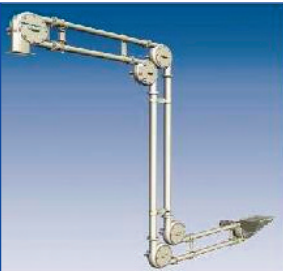
**I-2/BPST  
is proud to represent  
these fine manufacturers.**

<b>Bunting Magnetics Company</b>	<b>Fox Venturi Products</b>	<b>Fox Valve</b>

**FIRMENICH AWARDS I-2/BPST \$5 MILLION+  
FOR COMPLETE NEW CAPS PROJECT**

Firmenich is an European top notch flavoring manufacturing company in NJ, they awarded a \$5m+ order to I-2/BPST, Inc. to provide a complete dry flavor handling IBC System, Spiroflow's Aeromechanical Conveying system, and Nedco's finished product packaging system.

Firmenich ordered Custom Powdered System's container blending IBC (Intermediate Bulk Container) automated wash system to handle dry flavor in their new plant of Newark, NJ. Due to the fragile nature of the finished product, the presence of an explosive volatile, and required and complex conveying distances, a Spiroflow Aeromechanical Conveying System was selected to convey the finished product. Nedco's complete finished Product Packaging System included automated carton forming equipment, belt conveyors, pouch filler, cardboard box filling, Bunting Metal Detecting System, an automated carton closer, taping machines and a Tawi vacuum pelletizing system.



**SARA LEE INSTALLED SPIROFLOW  
AEROMECHANICAL CONVEYOR SYSTEM**

To meet high production capacity and to reduce labor costs, Sara-Lee is automating their plant operations. The old process was to fill out the portable bins and manually move them over to the packaging units.

The central engineering group at I-2/BPST worked closely with Sara Lee to develop a complex Aero-Mechanical conveying network system that could be used throughout the plant to convey flavored coffee from various packaging unit throughout the plant.

Since Sara-Lee could not tolerate product segregation or degradation there was extensive testing performed proving that the Aero-Mechanical conveyor can handle Sara Lee's product gently, and that The Spiroflow Aero-Mechanical System does not segregate of the flavored coffee mix nor causes product degradation.

The complex conveyor system has been in operation for several months and it reduces product handling time and cost, resulting in a considerably increased production efficiency.



**I-2/BPST INC OFFERS SAFE PRODUCTS  
FOR COMAX CUSTOMERS**

Comax Flavor Company purchased a Bunting Magnet and Metal Detector Combination System. They installed them under each ribbon blender to meet HACCP regulations. I-2/BPST provided large Rare Earth Grate Magnets on top of the ribbon blender (3ft by 4ft) bag dump stations. The operator dumps all ingredients through these magnets and the mixed finished product goes through the Bunting Inline Metal Detector unit before packaging. The combination of grate magnets at the inlet and the metal detection unit at the outlet requires minimum head room and provides safe products for Comax customers.

Comax also had problems with their air mixers which were too low in power and taking too long to mix. For thick flavors, the mixers would not work at all.



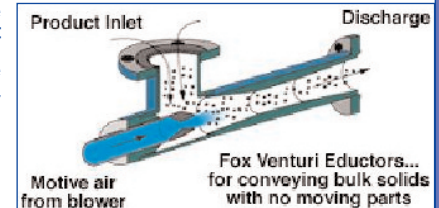
**Above: ChemFlowtronics Heavy Duty 6HP air motor & mixer**

I-2/BPST proposed a 6HP heavy duty air motor with 1.5" thick shaft and its proprietary high flow double mixing propellers to solve the problem.

**I-2/BPST PROVIDES CE DE CANDY  
STAINLESS STEEL EDUCATOR SYSTEM**

Ce De Candy is a company known for Smarties candies. They needed to convey Dextrose Powder into 2 places in the plant. Due to the high humidity in the air during summer months, the plant didn't want to use a standard vacuum conveyor because this would cause the filter receiver to clog and hinder production. Another problem that worried the company was that the plant had no head room underneath the existing screening equipment.

In order to solve the problem, I-2/BPST provided a Fox Valve 4" Stainless Steel Educator System with a cost of \$4,000 in combination with a Rotolok Conveying Diverter Valve. They were able to use the existing blower of 50HP to provide the convey air for the Fox Educator.



**I-2/BPST PROVIDES RAHWAY MUNICIPALITY  
A WHIRL-AIR-FLOW DENSE CONVEYING SYSTEM**

Rahway Municipality uses Whirl-Air-Flow's Dense Phase Conveying System to convey fertilizer pellets. Rahway had purchased Komline Sanderson complete drying system package to covert human waste into a fertilizer product. The finished fertilized product is a very fragile pellet. Therefore, the client needed to convey from the manufacturing building to the finished product building at considerable distance.

I-2/BPST provided a Whirl-Air-Flow Dense Conveying System to convey digested dried sludge pellet product at 3000lbs/hr conveying to a distance of 160ft. Successfully, I-2/BPST also supplied KWS Live Bottom Agitated Storage System and a complete Screw Conveyor Conveying System to handle varieties of sludge in Komline Sanderson sludge drying systems.



**Whirl Air Dense POD**