

Vac-U-Max

Case History

Pneumatic Equipment Allows Toll Blender to Adapt to Changing Market

Direct charge blender loading eliminates costly equipment modifications.

When industry began phasing out the use of fiber drums for transporting bulk powders and replacing them with more economical paper and bulk bags, Package Kare Inc. turned to Vac-U-Max for a cost-effective solution to load its blenders and formulators.

Vac-U-Max has a unique adaptation of vacuum transfer called "direct charge blender loading", designed specifically for the direct charge loading of blenders, mixers, reactors and any vessel capable of withstanding a vacuum. This was an ideal fit for the premier toll processor that specializes in formulating, blending, and surface treating of powders such as titanium dioxide, zinc oxide and other common industry powders,

With a facility's blender or mixer as the primary receiver, the conveyor manufacturer configures systems specific to each application, providing the power source, filters, controls and adapters.

Power options include vacuum pump packages from 3hp and higher as well as the company's exclusive venturi power unit available in single to quadruple venturi versions. Direct charge blender loading systems standardly convey up to 7000 pounds per hour and when they exceed that rate, systems are equipped with increased levels of automation.

"Our system is equipped with a bag dump station and a floor standing blender loader that captures carry-over," says Casey Muench, President at Package Kare.

The bag dump station is designed to handle 25kg bags, pails and cartons. From the station, powder flows by gravity to the vacuum pick-up point on the bottom of the bag dump station and discharges directly into the blender or formulator.

"They gave us something that would already fit our device. It was easy—just plug it in and go," says Muench.

"We deal with a lot of difficult materials, and working with Vac-U-Max has allowed us to meet customer needs without having to modify our equipment," she says. "When you start getting into equipment modifications, it means bigger and bigger dollars."

In addition to eliminating retrofitting costs and reducing labor needed to accommodate the sacks and bulk bags, the company has also benefited from reduced labor costs associated with standard maintenance and cleaning because of the conveyor system's simple design.



To learn more about how direct charge blender loading systems can reduce costs or VAC-U-MAX pneumatic material handling or industrial vacuum cleaning solutions, write to them at 69 Williams Street, Belleville, NJ 07109; call (800)822-8629 or (973) 759-4600; e-mail info@vac-u-max.com; or visit their website www.vac-u-max.com.