



Bulk Bag Unloader with spring-loaded arms



Manually dumping small bags



The forklift truck lifts a bulk bag into place

### Customer Requirements

*Jowat Adhesives, Inc is an international adhesives company in High Point, NC. The company needed to find a totally enclosed dust-tight Bulk Bag Unloader for its manufacturing plant which produces adhesives for a variety of industries.*

#### THE CUSTOMER COMMENTED:

“We wanted to avoid any dust contamination from the variety of resin flakes running through the unloader used to produce our industrial adhesives,” noted Mike Kuhn, Plant Engineer at Jowat Adhesives. “We were seeking a system that was totally enclosed. It couldn’t have seams or small holes that other unloaders have that allow resin dust to infiltrate and contaminate the work environment.”

To find an bulk bag unloader that met these specifications, Kuhn and some of his fellow engineers attended a powder handling trade show in Charlotte, NC. At the Spiroflow booth, Kuhn found exactly what he needed with the Universal Type 2 Bulk Bag Unloader.

### Spiroflow Solution

Spiroflow custom designed a bulk bag unloader to meet Jowat Adhesives’ exact specifications. Not only does the unit accept two sizes of bulk bags, it also incorporates a bag emptying station. Within two months, the unit was installed with a custom stainless steel surge capacity hopper designed to accept resin flakes in 1,000lb/ 450kg Super Sacks®, 500lb/ 230kg mini-sacks or 50lb/ 23kg bags.

- Using a forklift truck, the two larger bags are rigged onto a special lifting frame and then lifted by forklift onto the unloader’s support frame located near the top of the unit.
- The smaller bags are manually dumped into the hopper through an integral bag dump station.
- The Universal Type 2 Bulk Bag Unloader includes spring-loaded arms on the bag support frame, an integral bag dump station, bag spout closure bars and a base massage system.
- Resins are gravity fed by the Universal T2 Unloader through the hopper into a vacuum conveyor at the base of the unloader.
- The vacuum conveyor transfers the resins from the unloader to a process vessel in an enclosed, totally controlled dust-free manner.

### The Results

For the controllable unloading of poor flowing materials Spiroflow recommended unloading by volume in order to eliminate any waste or spillage. This process increased productivity and provided a cleaner work environment.

Mike Kuhn confirms, “With the Spiroflow solution both our environmental quality and productivity has been enhanced. We are completely satisfied with the system.”

## How Can Spiroflow Help Your Business?

Contact us today to discuss your specific applications and needs.