

## Spiroflow Bulk Bag Discharger & Flexible Screw Conveyor Accurately Doses Bread Crumbs for Sausage Production



Bulk Bag Discharger with Flexible Screw Conveyor leading off through warehouse wall



Outlet of Flexible Screw Conveyor discharging bread crumbs via a sifter in to tubs in the production area

### Customer Requirements

At their soon to be closed South East of England sausage factory, the customer had used a Spiroflow Bulk Bag Discharger with integral Flexible Screw Conveyor to convey bread crumbs from Bulk Bags stored in the warehouse, through a wall, to the high-hygiene production area. The system worked so well that their Group Engineering Manager had no hesitation in turning to Spiroflow for the same application at their newly expanded North West site.

### Spiroflow Solution

The Spiroflow Bulk Bag Discharger supplied to this customer has stainless

steel contact parts mounted in an epoxy coated carbon steel frame.

Untying of the bag outlet takes place within the dust cabinet. Access to the outlet spout is facilitated by an interlocked access door. The cabinet is connected to the factory's central filtration system so that any airborne particles are drawn away before the access door is opened to tie off empty bags ready for removal.

Discharged bread crumbs are conveyed 10 feet from the discharger, located in the bulk materials/ingredients warehouse, through a wall into wheeled tubs in the high-hygiene production area.

#### Dosing Accuracy

Spiroflow Flexible Screw Conveyors are so accurate that bread crumbs are volumetrically metered into the tubs using a timer. In the tubs, the bread crumbs are mixed with other minor ingredients according to the type of sausage to be produced. Spiroflow supplied the support frame for the conveyor outlet, the flat deck sifter below, the control panel and printer that generates batch record labels for every tub that is filled.



Pinch bars keep the neck of the bag closed while it is untied. With the dust cabinet door shut, the bars are opened to start discharge of the bag's contents.