

## Spiroflow Fills Plastics Into Bulk Bags for Solid State Polymerization Leader



A variety of bulk bags sizes can be handled by the Bulk Bag Filler



Spiroflow Bulk Bag Filling Machine



### Customer Requirements

*PETUK are the acknowledged leaders in batch Solid State Polymerization (SSP) offering a toll processing service to the plastics industry.*

1. The SSP process changes the crystallinity and molecular weight of semi-crystalline thermoplastics, such as PET and its derivatives.
2. This results in improved processing and physical properties of the customer's finished products.
3. PETUK is a unique and highly efficient organization operating 24/7 processing over 15,000 tons per year.
4. More and more materials are being delivered in bulk bags.

As part of a major plant upgrade, PETUK required a new bulk bag filler. The exact weight of processed material in each bag must be confirmed so they contacted Avery Weigh-Tronix, the UK's leading weighing company and the supplier of the other weighing equipment onsite. Avery Weigh-Tronix don't make bulk bag filler but they recommended Spiroflow.

### Spiroflow Solution

The Spiroflow Bulk Bag Filler handles the extensive range of products effectively, as well as the great variety of bulk bag sizes and types supplied by PETUK's customers.

- It is now aesthetically pleasing.
- Upright and stable 1 ton/ 1000kg bulk bags can now be filled to the required weight in less than one minute.
- 20 bags can be filled an hour which is a significant increase in productivity.
- The bulk bag filler is mounted on a weigh platform controlled with a weigh indicator and customized software.
- The bag support frame is pneumatically lowered for rigging and raised for filling to ensure the bag is fully stretched.
- Bulk bags are vibrated as they are filled. Vibration is exerted in the vertical plane only for maximum effect.