

Semi-automatic bulk bag filling line

Flexicon Europe, Herne, UK, has developed a bulk bag filling line that provides an efficient system for automating bag fill and palletising procedures in preparation for forklift transfer of material to a downstream process or final packing in readiness for onward transport to another plant. The new bag filling equipment has been designed to simplify and speed filling procedures by automatically dispensing the pallets and filling the bulk bags and afterwards accumulating them for removal by forklift.

The system incorporates a dispenser holding up to 15 pallets and a powered roller conveyor that removes the bottom-most pallet and positions it directly beneath the cantilevered fill head. At the fill station an operator connects an empty bag to the four actuated bag strap hooks, seals the bag spout using an inflatable collar and presses a bag inflation button to initiate a seven-step automated filling sequence. When filling is completed a further automatic sequence vibrates the pallet to densify and stabilise the load, deflates the spout seal and releases the bag loops. www.flexicon.co.uk



A 15-pallet dispenser releases the bottom-most pallet to roll beneath the cantilevered fill head