



Product News

Flexicon: Mobile Bag Dump Station with Compactor, Conveyor

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Fig. 1: Flexicon's Manual Bag Dumping System allows dust-free dumping, conveying and bag compaction throughout the plant. (Pictures: Flexicon Europe Ltd.)

Dust generated from bag dumping, empty bag pass-through, and bag compaction is drawn away from the operator, onto the system's two cartridge filters. Automatic reverse-pulse air nozzles release short blasts of compressed air inside the filters at timed intervals causing dust build-up on the outer surfaces to fall into the hopper, conserving useable product. Filters are readily accessed by removing the interior baffle, and replaced using quick-disconnect fittings.

The compactor employs a pneumatic air cylinder capable of compressing up to 80 bags into a removable bin. The compactor's main door and flapper door within the bag disposal chute are equipped with safety interlocks that prevent operation of the compactor unless both doors are closed.



Fig. 2: Dust generated from bag dumping, pass-through of empty bags, and bag compaction, is drawn onto cartridge filters equipped with air nozzles that dislodge dust

accumulation on a timed cycle.

The hopper discharges into an enclosed flexible screw conveyor, capable of moving free and non-free-flowing bulk materials from large pellets to sub-micron powders, including products that pack, cake, seize, smear, fluidise, break apart or separate, with no separation of blended products.

Ready to plug-in-and-run, the mobile system is equipped with a IP-66 control panel and user-friendly HMI interface, allowing the operator to vary operation of the dust collection system and conveyor to serve varied processes, and then roll the system to a cleaning station or storage area between uses.

The unit is constructed of carbon steel with durable industrial finish, and available with stainless steel contact surfaces or in all-stainless models finished to industrial, food, dairy or pharmaceutical standards.

The company also manufacture pneumatic conveying systems, bulk bag dischargers, bulk bag conditioners, bulk bag fillers, drum/box/container tippers, drum fillers, weigh batching and blending systems, and engineered plant-wide bulk handling systems with automated controls.