

## Volkmann Conveyors Eliminate Toner Leakage

Carbon Black, Toner and Pigment Transfer, be it in powder or prill form, present a number of specific challenges that are uniquely addressed by the Volkmann VS range of Vacuum conveyors. The obvious major concerns are cleanliness of the environment and the avoidance of product segregation or degradation during transfer.

Volkmann VS range of Conveyors is completely enclosed and transfer product under vacuum where, in the unlikely event of a leak, air is sucked into the process - not material blown out. This keeps the material where it should be - inside the conveyor. When coupled to specially designed Rip & Tip bag stations, or Bulk Bag Unloaders, transfer is achieved without spillage or emissions.

The new VS range features a unique patented design for the sealing of the filters to the filter plate. The designated QX seal is available in a variety of materials with silicone being the most popular. Featuring both a lip and radial seal as part of the design, it is a significant improvement over the commonly used 'O' ring or mineral felt designs. In a recently supplied application 8 Volkmann VS units were supplied to a major printer cartridge manufacturer and immediately eliminated the previous leaks associated with filtration.

Whenever Carbon Black, Toners or Pigments are transferred the issue of cleanliness and leakage is of primary concern. Inevitably, this is accompanied by the need to quickly change from color to color as production needs dictate. Volkmann Conveyors address these issues in the following ways: a) transfer is by vacuum in lean, dense or plug flow conditions, depending on the requirement, thereby avoiding segregation and product damage issues b) Filtration, our QX filters, as mentioned above, are designed to filter the finest materials and to prevent any leakage at the filter mounting point and c) common seals are used between modules avoiding operator assembly errors.

In addition to the above features the conveyors are ATEX certified for use in explosion proof environments