



Volkmann Multijector® Vacuum Conveyors Optimize Material Flow and Provide Safe Transfer – ATEX Certified



Volkmann, a market leader in vacuum conveying, offers a loading system optimizing material flow from the supply side to the downstream packaging operation. The advanced Volkmann Multijector® Vacuum Conveyors, when used with a level-controlled buffer hopper, safely transport powders, granules, pellets, capsules, tablets and other bulk materials under vacuum. This transport can supply packaging lines, mixers, filling machines, tablet presses or any other kind of process equipment or vessel (containers, silos etc.) on demand.

Typical Volkmann Multijector® Conveyor Application



A pair of Volkmann Conveyors supplying material to metering feeders.

This interactive, enclosed transfer system has considerable advantages over conventional, old-fashioned, mechanical transport technologies most notably in the transfer of traditionally difficult and sensitive powders. The cyclic vacuum plug flow conveying arrangement of the Multijector Conveyors avoids product separation or segregation. In addition, building on the available European ATEX explosion safety certificates for all Multijector® Vacuum Conveyors, the units are the perfect choice for potential explosion-proof areas (powders and gases). Volkmann is the first vacuum conveyor manufacturer to receive this certification, a useful advantage to the North American market now faced with tightening OSHA requirements.

Volkmann's Multijector Vacuum Conveyors work seamlessly in a multitude of product transfer situations. When introducing small quantities of powder into the system, either manual suction wands or feeding hoppers are used. For larger quantities, bag rip and tip stations or bulk bag unloading devices are more common. Where pipe diverter valves are integrated in the conveying line, powders can be collected from a single storage silo and can be transferred to several filling machines. Conversely, the raw materials can be fed into the vacuum transfer system from various locations and load one central mixer. There are countless combinations possible.

An extensive record of successfully conveyed materials ranging from A for Activated Carbon to Z for Zeolithe is available on request.