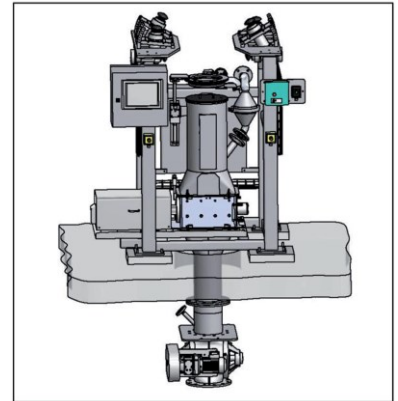


PVI00577EN_V01

BIG-BAG Discharge Systems

For highest standards and difficult product characteristics

- Closed and dust-free product transfer when emptying from flexible containers (e.g. Big-Bag)
- High personnel and product protection
- Targeted and selective force application as well as efficient Mobilization of highly compacted bulk material
- Simple to use, reliable handling, and safe in the application
- Mobilization, dust-free product transfer, crushing, distribution /dosing and controls from the same supplier
- This unique Big-Bag emptying station was developed for fluidization / mobilization, low-dust emptying, crushing and dosed feeding of difficult-to-handle products.



Function

Pneumatic hoist and load cross for safe suspension of the BIG-Bags. The Big-Bag In-Liner is placed into the Big-Bag docking station for dust-free emptying. The docking station is closed pneumatically and the Big-Bag in-Liner is docked by the internal inflatable seal to the downpipe. The integrated dust filter in the exhaust pipe can be cleaned, and the filtered product can be blown back in the process. The mobilized and sorted product lumps are crushed by an integrated lump breaker. The following rotary feeder is going to feed the crushed product in a controlled and dosed way.

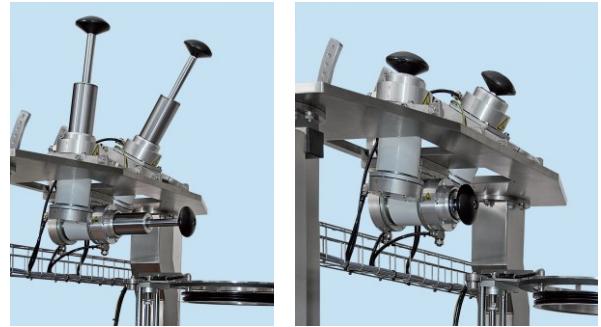
All product and process functions can be controlled and monitored by the integrated touch screen panel.

Controlled and metered emptying is possible via the integrated load cells. The system can be pre-cleaned automatically with its installed WIP nozzles at every product change, and the cleaning can be finished manually.

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Pusher function

The 2x2 side-arranged bottom-pushers can be set to correspond individually to the slope angle of the Big-Bag and product characteristics. In addition to bottom-pushers, two side-penetrating neck pushers are used to activate the Big-Bag neck, thus preventing clumping and blockages in the discharge outlet.



Connection system for the tight connection of the big-bag discharge spout



Connection system open.



Pull the big-bag discharge spout through the sealing ring.



Pull back the spout end.



The sealing ring lowers, the inflatable seal tightens the system.

