



PROCESS DESCRIPTION

Choosing the right blending system and automated systems particularly depends on the requested functions and the raw materials our customers intend to process. Especially in the food industry, a **simple**, hygienic and easy-to-clean feeding system plays an important role. The combined HECHT sack discharging stations guarantee a consistent product quality due to an efficient product handling as well as a dust-reduced or dust-free and closed conveying method into a secure and clean blending process. Not only the operator-friendly construction and the low space requirements of our systems but also the reduced production costs are important and decisive purchase arguments for our customers.



PROCESS STEP 1



The operator discharges the product into the sack **discharging station**. Depending on the customer's requirements, the station is available in different designs: An integrated protective vibrating sieve holds back impurities and easily dissolves small lumps. Optionally, the integrated filter with an option of up to four filter elements as well as a pneumatic dedusting unit avoid product loss and product carryover to the exhaust pipes. By means of a suction shoe – optionally with stirring unit – the product is transported through the conveying pipe into the blending unit via vacuum generation.

PROCESS STEP 2



The **HECHT ProClean Conveyor** feeds the blending unit via pneumatic conveying. The various designs of our PCC guarantee an individual, safe and gentle conveying and dosing of powders and granules. A special filter head improves the process efficiency and offers a variety of possibilities to design your systems according to your requirements. Especially in areas with crucial demands regarding cleanliness and hygiene, our PCC stands for dust-free conveying. A quick change of the filter elements, different versions of the casing cover and an optional, self-cleaning WIP- or CIP design for cleaning the hose and the device ensure an easy and comfortable production process. In particular, the long filter lifetime of the HECHT PCC enables a transportation of very fine-pored products ($<1 \mu\text{m}$). The supply of conveying air can be continuously adjusted and therefore either flight- or plug conveying is possible.

PROCESS STEP 3

Various docking systems connect the HECHT PCC to your blending units. Our customers always individually design their blending process, therefore an adherence of the crucial criteria like the raw material consistency or the blending method is more than important. Other factors like throughput capacity, avoidance of contamination, or traceability also need to be considered and play a major role in the early engineering phase – only then we can guarantee a suitable design of the HECHT system together with the right **conveying- and dosing units**. As a further process step, HECHT of course also offers the matching equipment when it comes to discharging your blended product. For this purpose, the ideal solution would be a **FIBC- or a small bin filling station**. Depending on the product, those are available in different containment designs or according to the respective ATEX specification.

AT A GLANCE



UNIQUE &
INNOVATIVE



EVERYTHING
FROM ONE SINGLE
SOURCE



SAFE
OPERATION