

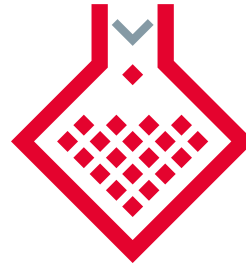
FILLING



A woman with blonde hair, wearing a white lab coat, is smiling and looking down at a large white bag. She is in a laboratory or industrial setting, with a control panel and a yellow emergency stop button visible in the background. The text is overlaid on a red rectangular area.

HECHT – We care.

As your reliable partner for safe bulk material handling our family business stands for tailor-made and efficient solutions.



Safe Filling for each application

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Like discharging, filling of bins is a typical application for us in all industries. In addition to the bin in use and the filling performance, there are further points to be considered when planning filling processes. The dosing unit and the type of scale used are of crucial importance, since, together with the product properties, these systems affect the filling accuracy. The materials used must also be considered. Will a local extraction system be sufficient for dust reduction, or will it be necessary to handle the products dust-free using Containment solutions? Furthermore, the process integration must be observed when planning. HECHT offers different filling solutions for each application. In addition to components, ranging from simple dust-reducing to High-Containment Filling Heads, our portfolio includes complete Filling Stations for Big Bags or sacks and drums, part of which can be operated fully automatically. For individual special applications and combinations of different filling systems, we are always happy to provide advisory support in order to find a solution corresponding to your requirements and wishes.

Filling Heads

Depending on your requirements on dust-free operations and throughput, HECHT offers a wide choice of Filling Heads – ranging from easy, quick and low-dust handling to High-Containment. Continuous liner Filling Heads complete the portfolio.

Dust-reducing Filling Heads



- ◆ **Filling Head with quick-action clamp:**
The easiest way to reduce dust. The Filling Head with mechanical clamping is designed for bins with different diameters.



- ◆ **Filling Head with inflatable seal:**
For higher requirements on dust reduction. Minimum manual handling effort.



- ◆ **Filling Head with inflatable seal and hinged counter ring:**
For higher requirements on dust reduction. The folding counter ring allows the filling of bins with different diameters.



- ◆ **Filling Head with counter ring and inflatable seal:**
Easy connection of different bin diameters. The inflatable seal integrated in the counter ring offers an extended protection against leakage of dust.

Containment Filling Heads



◆ Liner Filling Head LBK:

Proven Filling Head for filling bins with inner liners. Numerous extensions are possible, like a integrated dedusting filter.



◆ Liner Filling Head LBK-EC:

The LBK-EC ("patent pending") enables safe and easy filling of bins without auxiliary means or consumables in the range of OEB 5. Connection and disconnection of bins requires just a few steps. The logical docking and undocking procedure does not allow any operating errors or breaches of Containment.



◆ Protective Liner Filling Head SBK:

System with counter ring and radial ring for connection and filling of bins with inner liner. Big Bag inlet and product tube are closed at any time.



◆ Continuous Liner Filling Head KB-EF:

Allows closed filling of small bins without the need for frequent bin changes. Due to the special folding, up to 50 meters of liner can be provided on a carrier. The liner packages can be changed without breach of Containment.

Small Bin Filling

HECHT offers different Filling Stations for small bins. Depending on the application, a Filling Head for filling single sacks or liners or a Filling Head with continuous liner package can be integrated. Further components that can be integrated are weighing and dosing unit, sampling systems, racks as well as roller conveyors. Different Containment levels can also be taken into account.

A Small Bin Filling Station mainly consists of the following parts:

1: Filling Head as important component of a bin Filling Station. The Filling Head often defines the Containment level.

2: Platform for example roller conveyors for easier handling.



3: Feeding system ensures continuous supply of bulk solids, for example via a downpipe, a buffer vessel or a pneumatic conveyor like the PCC.

4: Base frame accommodates the Filling Head and significantly defines the space requirements. Further components like the scale can be integrated.

Small Bin Filling Stations



- ◆ **Filling cardboard boxes:**
Small Bin Filling Station with flexible dosing system and Filling Head with inflatable seal for low-dust filling of cardboard boxes.



- ◆ **Containment drum filling:**
Filling of drums with inner liner in pharmaceutical production with Liner Filling Head LBK.



- ◆ **Continuous liner filling:**
Filling with Continuous Liner Filling Head in a chemical plant.

Big Bag Filling

HECHT offers different Big Bag Filling Stations. They significantly differ from each other in the Big Bag sizes used, in the Containment level considered and in the available room conditions.

A Big Bag Filling Station mainly consists of the following components:

- 1: Filling Head** as important component of a Big Bag Filling Station for connecting and filling the Big Bags.
- 2: Platform** serves for example for weighing the Big Bag.



- 3: Base frame** accommodates the loop holders and the Filling Head and significantly define the space requirements. Further components like the scale can be integrated.
- 4: Loop holders** hold the Big Bag in position and support the operator with the filling process and with ergonomic handling.

Big Bag Filling Stations



- ◆ **Filling Station BG-Basic:**
Ordinary frame version for defined Big Bag sizes

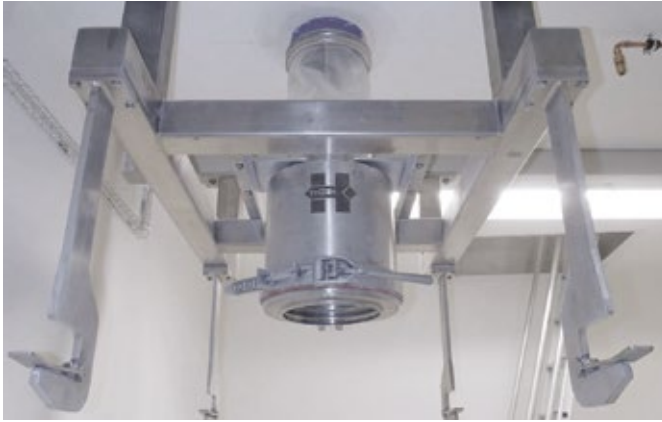


- ◆ **Filling Station BG-L:**
Open frame construction, accessible from three sides, height-adjustable with numerous possibilities of extension



- ◆ **Filling Station BG-Basic with overhead scale:**
Frame version with integrated scale that can be automatically adjusted to different Big Bag sizes

Typical Installation – best practice



Further HECHT product lines

Conveying and Discharging



Conveying

HECHT reacted to the increasing challenges when it comes to transportation of powders and granulates: With our innovative pneumatic conveying concept, the ProClean Conveyor PCC. Compared to mechanical conveying methods, pneumatic modules can easily and flexibly be integrated in an existing production process. Only a low assembly height is necessary for this purpose. Combined with the principle of vacuum conveying, all important requirements in terms of Containment are fulfilled.



Discharging

Bulk solids are mostly transported and warehoused in Big Bags, containers or small bins like drums or sacks. Therefore, different discharging stations are needed for further processing. In addition, for planning and design, several important facts must be considered. Depending on the necessary filling capacity, the respective Containment level and implementation of an optional weighing or dosing function, HECHT offers individual modular systems for wide-ranging and flexible applications.

Discover our large product range
and HECHT systems
at www.hecht.eu





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