

ADVANCED POWDER HANDLING SOLUTIONS  
for food industry and bakeries

# BigBag discharge station PC1000

For discharge granules to a pneumatic conveyor



**POWDER**  
**TECHNIC**

## Features and benefits



CE  II 3D

### 1. Support frame SF1000

- ▶ Heavy-duty, 90 x 90 mm structural steel bar frame guarantees that the product is safe to use
- ▶ With the Adjustable mounting kit the frame is easy to install even on un-level surfaces

### 2. GIS electrical hoist with manual trolley

- ▶ Housing: Cast aluminium housing with maximum solidity (no plastic material)
- ▶ Motor: 2-speed motor designed for tough working conditions
- ▶ Transmission :Permanent lubrication for wear resistant operation
- ▶ Brake : Maximum safety (construction: brake after slipping clutch)
- ▶ Control switch :With built-in support wire as a standard
- ▶ Swiss made: 2 years guarantee

### 3: Lifting Frame LF1000

- ▶ Safety hooks with latches ( mandatory in lifting devices according to EU safety regulations)
- ▶ Suitable for all kind of standard bigbags with 4 lifting loops

### 4. BigBag(FIBC) Discharge hopper

- ▶ Construction material: Stainless steel with polished welding seams -> hygienic, fulfils food industry's quality demands
- ▶ Safety support ring supports the bigbag's weight ensuring safe operation when the bottom valve of the bigbag is being opened
- ▶ Powder Tecnic Fluidiser™ discharge aid equipment -> prevents bridging and ensures trouble-free operation

### 5. Fulfils EU safety and ATEX regulations

- ▶ The product fulfils all EU safety and ATEX requirements. The product has a CE marking to declare that it meets harmonised European standards.

## MAIN BENEFITS

### Improves productivity and work ergonomics

- ▶ The only work-phase is changing the FIBC and pressing the start button.
- ▶ Your personnel can do more productive work while the machine takes care of the dosing

### Improves end-product quality

- ▶ with weighing equipment you will get a precise weighed batch

### Improved ergonomics and working conditions:

- ▶ Minimizes the need of stressful and unergonomic handling of material.
- ▶ Effective dust-extraction removes dust when the FIBC is being changed

## Overview

Model PC1000 is designed for safe and reliable discharge of bottom valve bigbags ( FIBC 's) up to 1000 kgs. Standard features include a heavy-duty support frame, electrical hoist with a lifting frame for the bigbag and a bigbag discharge hopper with an outlet for vacuum conveyor

## Suitability

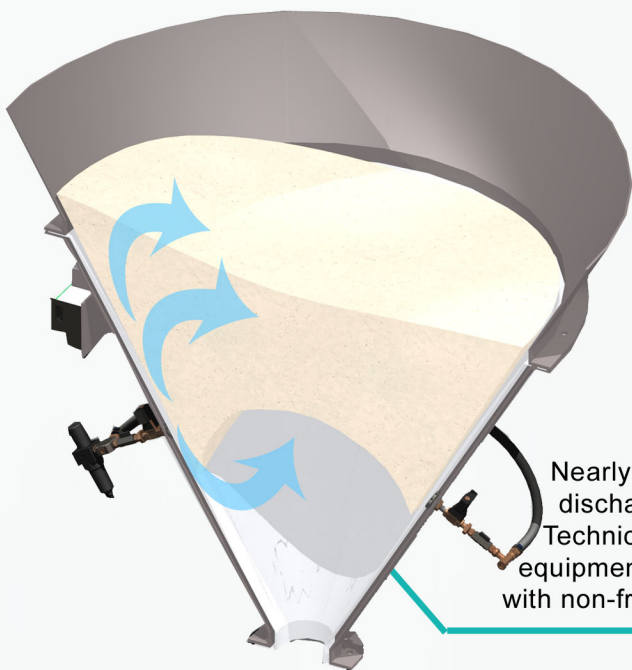
The model PC1000 is suitable for all dry granules (rice, grain salt, sugar etc.) The PC1000 is not suitable for non-free flowing powders.

## Dimensions tailored according to your specifications

The height of the support frame will be designed according to your specifications to ensure you get a perfectly suitable product.

## Increase automation level with weighing equipment

With added weighing equipment the SC1000 can dose precise batches ( X kg)



Nearly vertical walls of the discharge hopper and Powder Technic Fluidiser™ discharge equipment prevent material bridging with non-free flowing granules.



Weighing equipment contains an alpha-numeric operation panel with LCD display that makes the FIBC discharge station extremely easy to use.



## Technical specifications

**Manufacturer:** Powder Technic Ltd.

**Suitability:** All dry granules and free flowing powders  
(sugar, rice, salt, etc.).

**Lifting capacity:** 1000 kg

**Support frame SF1000**

Construction material: 90x90 mm structural steel bar with epoxy paint coating

Height: standard model: 4000 mm, other sizes according to customer's specifications

Width: 1600 x 1600 mm

Hoist support bar: HE120A, length: 2400 mm

**GIS GCH electrical hoist**

Lifting capacity: 1000 kg

Manual trolley ( electrical on request)

**Lifting Frame LF1000**

Lifting capacity: 1000 kg

Construction material: structural steel, epoxy paint coating

Suitable for all standard size bigbags ( FIBC)

**BigBag Discharge hopper**

Construction material: Stainless steel with polished welding seams

Volume: 150 l

Outlet tube Ø80mm for pneumatic conveyor

**Fluidisation equipment:**

Polyester coated stainless steel sheet inside the hopper

Air regulator/filter unit ½" pre-assembled and pre-set

Timer unit 24VC and magnetic valve 24VDC

**Dosing accuracy in batch dosing:**

+/- 200 g depending on the product

**Interface:**

400 V, 25A

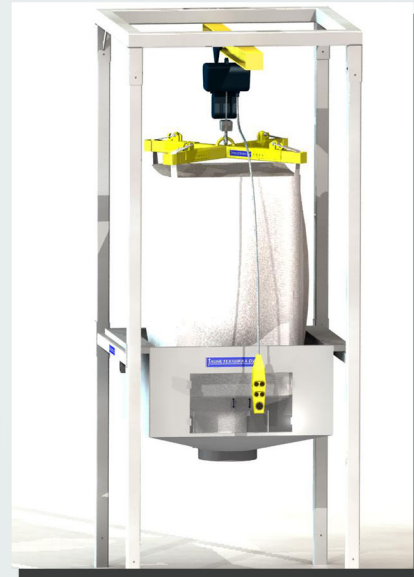
compressed air 6-7 bar

## Accessories



**ELECTRICAL TROLLEY**

- manufacturer : GIS
- 2 speed drive, brake



**DUST EXTRACTION CABINET**

- construction material :Stainless steel
- for a dust proof emptying of big bag
- opening of the big bag valve knot through hinged doors
- safety support ring to support the weight of the big bag when the valve knot is being opened
- dust extraction canal around the cabinet's inner wall ensure efficient dust extraction
- a dust extraction outlet for the connection of the external dust extraction unit