ADVANCED POWDER HANDLING SOLUTIONS
for food industry and bakeries

Mobile Powder Feeder

for dosing of powders and granules

POWDER TECHNIC

Features and benefits

1. Support Frame on wheels

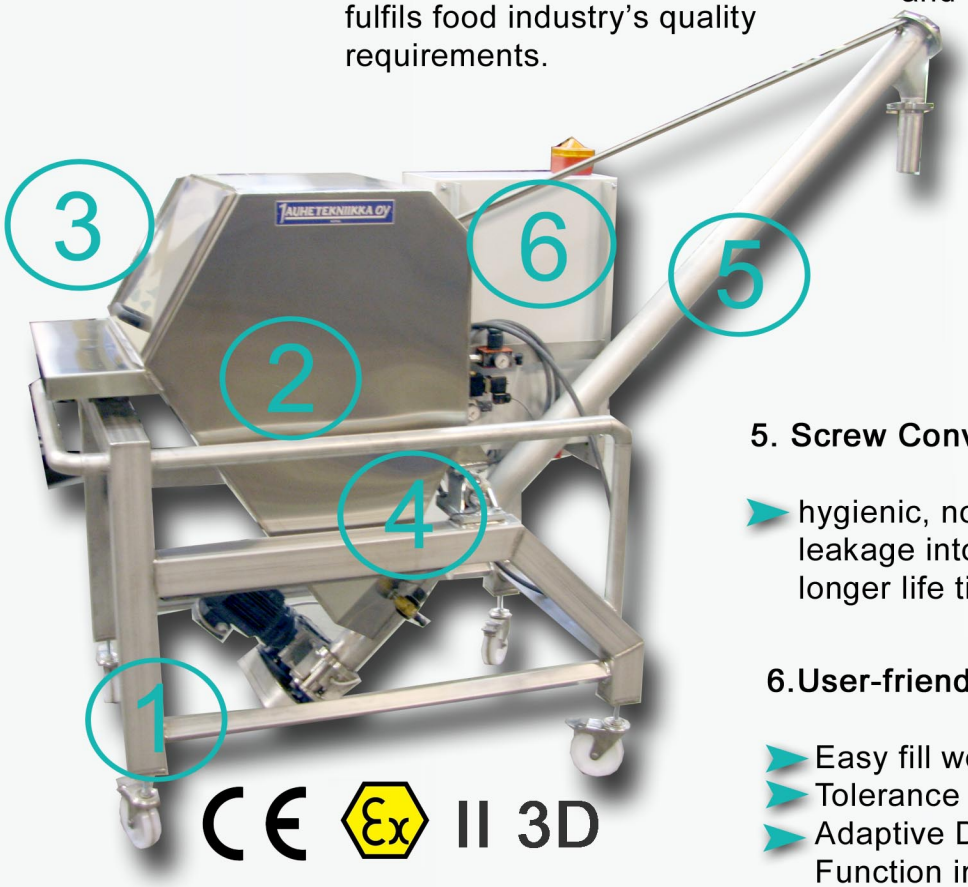
- Easy to move

2. Stainless steel hopper

- Stainless steel with polished welding seams quarantee that the product is hygienic and fulfils food industry's quality requirements.

3. Small sack discharge table

- filling of the hopper is ergonomic and dustless



4. Powder Technnic Fluidiser™ Discharge aid equipment

- Prevents material bridging inside the hopper
- Assures trouble-free production without interruptions.

5. Screw Conveyor with out-side bearings

- hygienic, no risk of bearing grease leakage into product
  longer life time for the bearings

6.User-friendly operator panel

- Easy fill weight setting
- Tolerance control
- Adaptive Dosing Accuracy Function improves dosing accuracy

7. 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.

POWDER TECHNIC

BENEFITS:

Improved productivity:

- Each fill is faster and more accurate compared to manual dosing

Improved ergonomics and working conditions:

- Minimizes the need of stressful and unergonomic handling of material. Effective dust-extraction removes dust when hopper is being filled.

Overview

The Mobile Powder Feeder is designed for automation of labour-intensive and unergonomic manual small sack discharge into mixers, hoppers or to process. The only work phase with the Mobile Powder feeder is the filling of its discharge hopper and pressing the start button.

Suitability

The Mobile Powder Feeder is suitable for all dry powders and granules, free flowing and non-free flowing.

Volumetric dosing as a standard feature

As a standard feature the feeder works as a volumetric feeder, meaning that it doses the material at a certain capacity until the material runs out or it is stopped.

Increase automation level with weighing equipment

With weighing equipment the feeder can dose either precise batches (X kg) or dose continuously with loss-in-weight principle (X kg/min).

Alpha-numeric operation panel with LCD display makes the Mobile Powder Feeder extremely easy to use.

The mobile Powder Feeder is suitable for powders and granules. An integrated dust extraction unit (optional) removes dust during hopper re-filling.

Technical specifications

Manufacturer:
Powder Technic Ltd.
Suitability:
All dry powders and granulates (flour,
ground coffee, spices, salt, flakes, rice, grain ..
Hopper volume
standard model: 300 l, other sizes on request
Construction material
-Parts in contact with the product: Stainless steel AISI304
-frame: mild steel, epoxy painted, stainless steel frame on request
Surface finishing:
standard feature: Pickling
Hopper discharge aid:
Powder Technic Fluidiser as a standard feature
Mechanical agitator as an option
Hopper dust extraction:
dust extraction outlet DN80 as standard feature
integrated vacuum blower/dust filter unit as a option
Dosing capacity:
up to 3 t/h
larger capacities on request
Dosing mode:
Volumetric dosing as a standard feature
Batch dosing optional
Loss-in-weight (continuous weighed dosing) optional
Dosing accuracy in batch dosing:
+/- 10..20 g depending on the product
Dosing accuracy in loss-in-weight dosing:
+/- 0,5 % in 30 min cycles at nominal dosing rate
Control system for volumetric dosing
Level switch controlled automatic drive
Manual drive: Start/Stop
Potentiometer control for dosing rate adjustment
Interface:
400 V, 25A
compressed air 6-7 bar

Accessories

INTEGRATED DUST EXTRACTION UNIT
-An integrated vacuum blower/dust filter unit fitted on top of the Sackfiller for powders that form dust.

BATCH DOSING EQUIPMENT

Powder Technic's batch dosing equipment is designed for dosing of accurately weighed batches. The equipment contains a programmable logic controller, weighing modules, a legal-for-trade weight transmitter and an operation panel. The equipment is pre-calibrated and pre-adjusted at factory for Plug&Dose operation.

LOSS-IN-WEIGHT DOSING EQUIPMENT

The Loss-in-weight Smart™ dosing equipment is designed for continuous weighed dosing of powders and granules at desired dosing rate. The equipment contains a PLC, weighing modules, a legal-for-trade weight transmitter and an operation panel. The equipment is pre-calibrated and pre-adjusted at factory for Plug&Dose operation.

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Powder Technic Ltd Kotka
Alasuutarintie 22
48400 Kotka, FINLAND

sales@powdertechnic.com
www.powdertechnic.com