

FEEDING HOPPER STATION

Feeding hopper station is applied with many different powder products such as: milk powder, flour, soybean flour, pharmaceutical powder or chemical industry,...

1. OVERVIEW INTRODUCTION

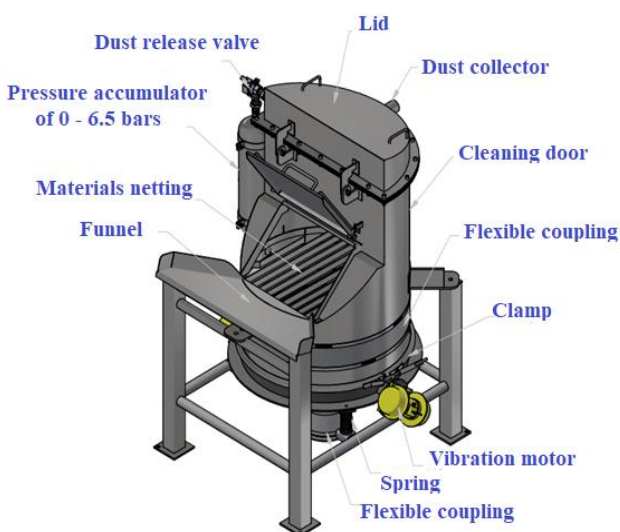
In the process of pouring raw materials directly from powdered materials into the processing stage. Operators confront many risks because they could not control all strange objects falling into the batch, dispersed powder, lumpy powder, etc.

Therefore, the dust-free powder pouring station produced at VTStek was installed to meet the all the demands of consumers.

* Pictures of Spiral Conveyor at VTStek:



* The overall drawing of the powder pouring station:



2. PRINCIPLE OF OPERATION

Raw materials are gathered on pallets, workers lift bags (or use vacuum lifting equipment) to put them near to the hopper then cut the bag and opens the mouth of the bag then pours flour into the hopper. The powder passes through the vibrating floor to separate impurities and fall through the next processing equipment. The dispersed dust is sucked by the exhaust fan through the filter. All amount of dust will be periodically shaken and dropped into the hopper.

- Equipment material: Steel/Stainless steel;
- Number of mesh layers: 1;
- Mesh size: according to the purpose of application;
- Product contact surface roughness: Ra 0.8µm;
- Installed fire prevention and fighting equipment;
- Safety of operation.

* Device feature

- Easy to clean;
- The working station is negative pressure so it does not spread dust in the pouring area and does not leak to the outside environment;
- Saving on pouring materials;
- Safe feeding process, reducing operator labor intensity;
- Quick disassembly, easy maintenance, easy to replace equipment;
- Low noise level 85 dB;
- Small vibration;
- Can be wet cleaning.

* Integration Capabilities

- Vacuum bag lifting device
- Material rotary valve
- Material Screw conveyor
- Blow system
- Mixer
- Magnet
- Integrated with existing dust collection system

3. TECHNICAL SPECIFICATION

Technical specifications	
Equipment capacity	Up to 4 tons/h
Mesh size	≥ 400 µm
Sucking fan flow	ATM
Vibrating floor	ATM
Diameter of vibrating floor	ATM
Voltage	380/220V, 50 Hz
Compress pressure	6 bars

4. APPLICATIONS

- Applicable to all powdered products packed ≤ 50 Kg. For example, milk powder, flour, soy flour, etc.
- Apply for all products with small grain sizes, in bags of 50 kg;
- Widely used in industrial field: food, chemical, pharmaceutical and other industries;
- Applicable to powders with poor flow ability.

Advantages of using VTStek's Flour Station:

- + Modern technology to meet customer needs;
- + Structural design is technically correct, neat and aesthetic;
- + Ensure safety when operating, food hygiene requirements of customers;

* VTS Technology Joint Stock Company is committed to being the best place for customers' choice with the cheapest price, best quality and highest prestige, always ready to advise customers on product lines that is suitable to the customer's budget requirements and answer any other questions.

SOLUTIONS ARE DESIGNED & MANUFACTURED AS CUSTOMER'S DEMANDS

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