

Bulk Bag Dischargers & Fillers - a modular concept

Bag Handling

A standard cruciform supports the bag, this can be lifted onto a fixed or adjustable height frame. Alternatively a built-in hoist and overhead gantry eases handling and allows a wider variety of bags to be accommodated.

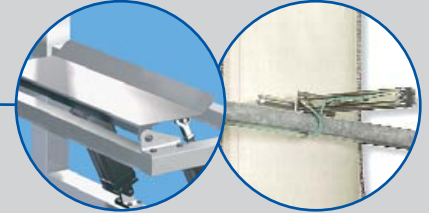


Bag/Liner Tensioning

Spring loaded column supports lift the bag during discharge, resulting in improved emptying with minimal operator intervention. Liner tensioning can be built into the cruciform.

Weighing Capability

Load cells can be integrated into the frame to provide loss-in-weight measurement.



Flow Facilitators

Many bags need massaging to aid material discharge, manual/automatic pneumatic massagers can be side or corner mounted.

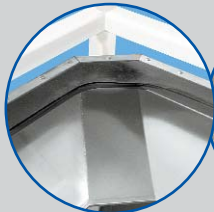
Support Pan & Enclosure

Provides bag support with optional vibration to assist material flow. A cabinet enclosure with access door and/or gloves can be integrated for improved sealing. A spout docking system can also be enclosed in the cabinet if double-sealing is required.



Bag Closer

Removal of part emptied bags is possible with an iris valve or similar device to allow the spout to be tied off and the bag removed.



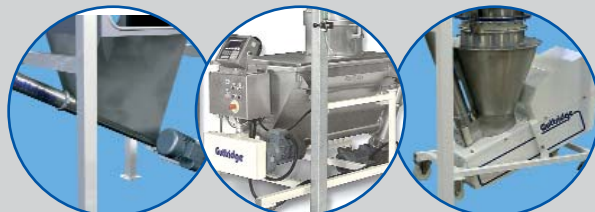
Check Sieve

Trap foreign objects with a vibratory sieve - propriety and built-in types available (*Sieveflo* pictured).



Easy Clean Down

Our unique range of rigid screw elevators and conveyors provide easy-clean facilities and flow control with minimal spares needs.

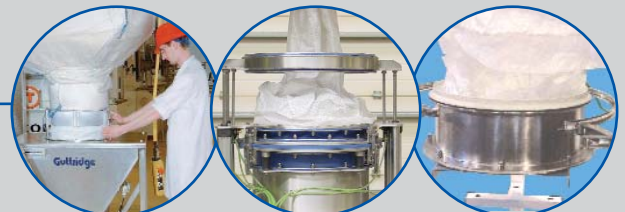


Discharge Machinery

Easyflo mobile screw elevator with integral sack tip facility. **Multiflo** conveyor. **Bulkflo** large capacity mobile hopper with steep angle screw elevator. Hoppers provide surge relief and buffering to avoid interruption during bag changeover.

Docking System

Many options exist, from the basic manual clamp, the propriety Eze dock system, to more sophisticated semi-automated pneumatic clamp systems. Spout tensioning can also be incorporated to improve material flow.



Construction & Finish

Frame: painted, galvanised, stainless steel.
Contact Parts: stainless steel finished to customer requirements.

General

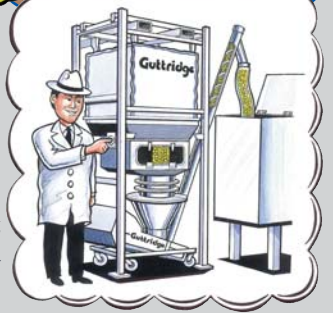
Frames can be customised to meet specific requirements and can also incorporate access platforms, ladders and steps. Conveyors, elevators, control valves and other downstream machinery can be provided to allow a complete system to be specified.

Modules can be selected to create a customised bulk bag discharger with features to suit precise user requirements

Bulk Bag Discharger Systems - some solutions



- Stainless or mild steel construction finished to suit any requirement
- Rigid screw discharge conveyor/elevator for minimal spares costs
- Quick release design allows fast dismantle for cleaning
- Options for easy discharge of difficult products
- Dust control systems for COSHH compliance
- Integrated hoist systems for easy handling
- Ideal for handling powders, flakes, pellets or granules – with minimal degradation



Bulk Bag Filling / Weighing Systems

Bulk Bag filling and weighing is a specialist area - Guttridge offer an efficient, accurate and dust free means of filling a wide range of bag sizes, either with or without liners. An optional compaction system can be used to maximise bag capacity without affecting the accuracy of the weighing system.

An inflatable pneumatic seal is used to connect the bag inlet to the stainless steel filling head, which also features connection ports for an optional liner inflation system. The weighing system uses four shear beam load cells linked to a digital weight indicator, set point controller and PLC for easy integration into plant control systems where required.

Features

- Dust free
- Compact design
- Pallet/fork truck loading
- Accurate weighing to approved standards
- Liner inflation
- Optional compaction unit
- 2 tonne capacity (nominal)
- ATEX options available



Guttridge SERVICES LTD

Wardentree Park, Pinchbeck,
Spalding, Lincolnshire,
PE11 3UU, ENGLAND
Tel: 44 (0) 1775 765300
Fax: 44 (0) 1775 765301
Email: sales@guttridge.co.uk
Web: www.guttridge.co.uk