

# Bulk Bag Discharge Systems

Bulk Bag Discharge Systems have now largely replaced the traditional 25kg to 50kg bags and sacks in most volume applications. Their inherent lower costs and improved hygiene together with health and safety benefits now make them the option of preference across most industry sectors. Guttridge Bulk Bag Dischargers are built around the unique **Multiflo** and **Easyflo** rigid screw conveyor discharge systems, providing the ultimate in rugged, durable design with an almost zero cost spares requirement. We offer a number of configurations and options for efficient bulk bag discharge with an integral conveying or elevating system – ideal for feeding filling machines, mixers, dosers, reactors and for use in many other process scenarios.

Our rigid screw systems feature a well-proven system of 'slip-fit' screw flight connectors and casing flange clamps making disassembly for cleaning remarkably quick and easy. In addition steep elevating angles are possible minimising floor space requirements.

Many other options are available to cover bag discharge aids, liner handling, spout closing, weighing and dust control together with post-discharge facilities such as metal detection and product elevation.



- **Rigid screw conveying and elevating systems**
- **Quick release design allows fast dismantle for cleaning**
- **Stainless or mild steel construction finished to suit any requirement**
- **Options for easy discharge of difficult products**
- **Dust control systems**
- **Integrated hoist systems for easy handling**
- **Ideal for handling powders, flakes, pellets or granules – with minimal degradation**

## Guttridge

**Bulk Materials Handling**

[www.guttridge.com](http://www.guttridge.com)

# Optional Extras

## Overhead Hoist and Gantry

Various different systems are available to allow bags to be delivered by pallet and then independently loaded into the bulk bag frame using an integral hoist system.

## Docking Systems

Various docking systems are available ranging from manual to pneumatic with varying degrees of sophistication. We also offer the Ezidock Containment System TM which comprises proprietary plastic seals for a fully dust tight connection.

## Bag Massage Systems

Simple pushers or hinged plate lifting systems are available according to the type of bag and product to be handled. Operation can be a programmed sequence or entirely manual.

## Dust Extraction

Depending on the type of bag, the simple rubber seal system may not be sufficient. In these cases an additional extraction manifold is available to extract dust laden air from underneath the bag, eliminating dust emissions.

## Castor mounted Frame

A mobile frame allows easy repositioning to suit production requirements. Lorry loading applications are best suited to this type of arrangement.

## Bag/Liner Tensioning

Spring loaded column supports to the suspension frame are available to gradually lift the bag during the latter stages of discharge, resulting in improved emptying with minimal operator intervention.

## Adjustable Frame Height

The bulk bag frame can be supplied with adjustable columns to allow easy adjustment to suit varying bag sizes.

## Other Options:-

- Manual sack tip door
- Vibratory discharge pan
- Single trip bag knife cutter
- Load cell weighing systems
- Operator gauntlets for dust containment

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# Bulk Bag Discharger Type EF

Our established Easyflo mobile screw elevator forms the basis for this robust Bulk Bag Discharge System, creating an unbeatable combination of features. The integrated Easyflo can be easily removed for a thorough cleandown between batches – a job that need take only a few minutes, it can even be totally removed for standalone operation as a manual discharge station for handling 25kg bags, boxes or drums.

The elevating screw is a rigid screw inclined at 70°, resulting in a robust, space-efficient solution with long life and minimal spares requirements. The Easyflo system provides a unique capability to handle a huge range of materials – from fine free-flowing powders to materials with very poor flow characteristics.

**Bag Handling** Effective bag handling is a critical area in the design and specifying of Bulk Bag Systems and Guttridge engineers work closely with customers to optimise the bag handling system. The standard bag suspension frame allows easy loading / unloading with a forklift and easy securing of the bag handles. Other optional systems are available.



## General Features – all systems



Vibrating discharge pan  
- specified in many applications



Lockable access door



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