



CJ Waterhouse Co Ltd

MATERIALS HANDLING ▼ WEIGHING SYSTEMS ▼ PROCESS SOLUTIONS
PLANT CONTROL ▼ AUTOMATION ▼ BESPOKE MACHINERY

Sack & Bulk Bag Discharging



www.cjwaterhouse.co.uk

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Intermediate Bulk Storage & Discharge - FIBC & RIBC

Raw material suppliers generally provide bulk powders in Rigid containers (RIBC's) or flexible 'Big Bags' (FIBC's) of varying types and sizes, all of which can be handled, discharged or filled using our range of equipment.

Our discharge stations whether they be for bags or bins are designed to form an enclosed system providing controlled discharge of material to the downstream process without pollution of the surrounding area. Systems can range from simple RIBC stations to sophisticated FIBC stations incorporating self sealing vibratory tables, neck clamp assemblies with interlocked access door and bag massage systems. Both bag and bin systems are supplied with integrated surge hoppers providing a sufficient buffer of material to accommodate typical container change over times



FIBC Station Components



Upper sealing membrane with optional vibratory discharge assistors



Neck tie access box with optional pneumatic clamp system



Surge hopper with discharge flange to suit downstream equipment

Bespoke FIBC Systems



In addition to our standard range of bulk bag and rigid bin discharge stations we can also supply bespoke solutions to overcome your specific materials handling requirements

providing a single multi-purpose discharge system.

Such systems can incorporate material screening, blending and separation to ensure the discharged material falls within the required specification.

FIBC Cutting Stations



Bulk bags without discharge necks can also be automatically handled via our FIBC cutting station which replaces the bag support and neck tie sections of our standard discharge station with a static bag cutting system. Bulk bags are lowered into the upper cowl and onto the blade assembly which slices the bag base from corner to corner allowing product to discharge into the surge hopper.



Sack Discharging

Manual Sack Emptying



For materials delivered to site in smaller sacks we offer a range of storage and discharge solutions designed to provide easy, dust free emptying of materials into the production system. Our 'rip & tip' sack tip stations permit manual discharging of powder and pellets and can be supplied with any required storage volume. The stations are supplied as standard with internal mesh screens and low level detection and can incorporate numerous additional features to enhance functionality and operation.



- Various storage capacities**
- Automated extraction system**
- Bag support shelf**
- Internal support mesh**
- Level monitoring**
- Discharge flange to suit**

Automatic Sack Emptying

In addition to our range of manual sack emptying systems CJ Waterhouse co. Ltd. also supply automatic sack emptying solutions manufactured by one of our partner companies, Comav. These machines cut the bag into two or more sections, discharge its contents through a rotating mesh drum and compact the empty sack into a plastic storage sack.

Comav supply a range of machines with throughputs ranging from 150 to 1000 bags per hour and can incorporate either belt in-feed system for single file bags or fully automated pallet discharger systems.



150 - 1000 bph
Auto Sack Compaction
Belt or Pallet Feed
Atex Models Available
Powders & Pellets

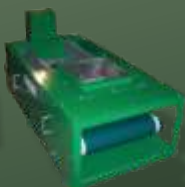


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Engineering Systems
& Machinery for Manufacturing
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