



CJ Waterhouse Co Ltd

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

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Sack & Bulk Bag discharging

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 Solutions

In addition to our standard range of bulk bag and rigid bin discharge stations we can also supply bespoke solutions incorporating such devices as in-line sieving and re-blending of materials to ensure that the resultant discharged material meets the required specification for the downstream production system.



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. are also partner company to the Italian engineering company Comav who manufacture fully automated sack emptying systems and bespoke discharge solutions.

These systems will automatically open the sacks, discharge their contents into an integrated storage hopper and compact the empty sack into a plastic storage sock.

Comav supply a range of standard machines with throughputs from 150 to 1000 bags per hour and the in-feed system can either be by inclined conveyor or fully automated pallet discharger.



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