



CJ Waterhouse Co Ltd

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

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Feeding & Dosing Equipment

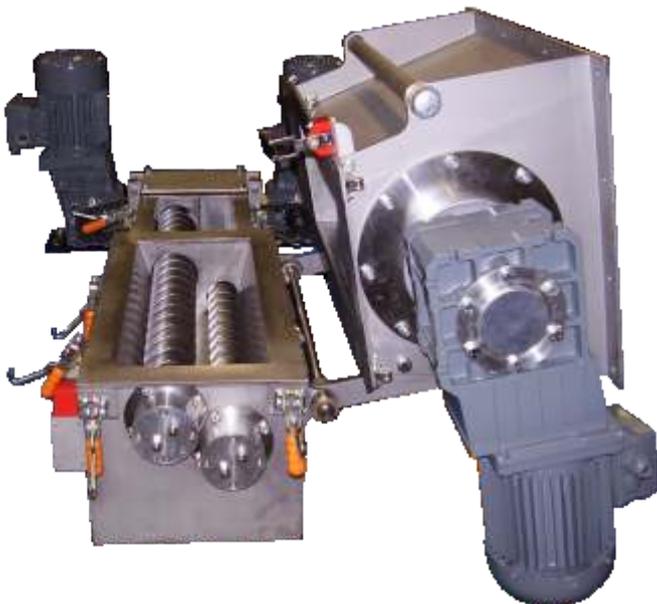
Feeding and dosing systems are designed to accurately dispense your materials to a specific downstream process, storage vessel or weighing system. For precision dosing systems we incorporate feeder shut off valves or catch gates and variable speed drive systems to ensure the highest level of accuracy is achieved. All our systems are custom designed to suit our client's requirements with respect to speed, throughput and accuracy.

We supply a variety of dosing & feeding equipment to suit your specific material requirements from fine powders to granules, liquids and solids. From belt feeding devices to screw conveyors we can provide the correct solution to handle your materials effectively without causing damage.

Screw Feeders

Dosing screw feeders are generally supplied for applications where accurate dispensing of powders to a specific downstream process is required. Such feeders are custom designed to suit the specific materials to be handled and can be supplied to suit any required throughput. The majority of our dosing feeders incorporate variable speed drives and automated shut-off gates for improved accuracy and can be supplied as tubular or as 'U' trough design with removable top covers.

Single or twin helix agitators are incorporated for difficult materials to reduce bridging and promote a constant flow of material to the feeder flight.



For applications where higher batch sizes are required specialist feeders can be supplied which include duplex flights of different diameters to increase throughput whilst maintaining accuracy. For maximum throughput both flights are run simultaneously and for maximum accuracy just the smaller flight is run.

Mechanical Conveying Systems

Vibratory Feeders

For applications where more granular or larger particle size materials are to be dispensed we can supply trough or tubular vibratory feeders. Such feeders can again incorporate variable speed drives and feeder shut off gates to improve accuracy.



Vibratory systems can also be used to dispense materials from bulk hoppers and can be fitted with manual or automated depth regulation systems to provide a controlled throughput.

Vibratory feeders can provide extremely accurate dosing of materials due to their constant rate of feed as opposed to screw feeders which can produce a pulsed discharge. As with screw feeders our vibratory units can also be fitted with shut-off valves or radial catch gates to eliminate feeder over-run and improve accuracy.



Belt Feeders

Material dosing can also be provided via belt feeding devices. Such feeders can provide accurate dispensing of both powder and granule materials and have low impact on the conveyed material due to the gentle nature of the conveying method. Our belt feeders can be supplied with either constant rate or variable speed drives and can incorporate multiple inlets and discharge catch gates.

