



CJ Waterhouse Co Ltd

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

Bespoke Machinery



www.cjwaterhouse.co.uk

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In addition to our range of standard bulk materials handling, weighing and automation solutions we have extensive experience in the design and development of bespoke solutions to overcome our customers specific process requirements.



Whether your requirement is simply to handle very specific material types or to automate a particular process requiring a one-off machine development service we can offer the correct solution to meet your exact needs.

Materials Handling
Weighing Systems
Sorting & Separation
Component Manufacture
Packaging Solutions
Turk-key Systems
Development



Our engineering team have vast experience within numerous manufacturing sectors from recycling to pet food ingredients and can provide you with a tailor made solution that suits your specific budget.

Whatever your plant requirement get in touch with our team to discuss the possible options available to you.



From special product manufacture to bespoke packing solutions we provide highly innovative machine and system solutions with respect to operation, budget and longevity. Coupled with advanced control and automation packages we ensure your process solution problems are overcome.



Below are a few examples of bespoke machine solutions we have developed to overcome our customers specific process and material characteristic problems.

Bespoke Weighing



Bespoke weighing solutions for handling of specific materials / products or for integration into existing process lines.

Example 1 is a truck tyre weigher to check finished tyre weight. Design required rapid installation into existing tyre testing conveyor system.

Example 2 is a bag check weigher and tipping system for pre-weighed minor ingredients being presented to an internal mixer within the rubber compounding industry.

Bespoke Material Processing

Bespoke material processing system to overcome clients specific material handling and dosing problems. The problem brief was to design a dosing system that would overcome the customers problems with respect to material agglomeration and separation of different particle sizes during the dosing process. The developed machine comprises of an upper section bulk bag discharger directly feeding a bespoke twin rotary paddle sieve to break up material lumps. The sieved material is then fed into a paddle blender to evenly distribute particle sizes before being dosed into the downstream moulds via the 'U' trough screw feeder.



Bespoke Cutting & Cleaning



Bespoke system for a Spanish polymer processing company. These two machines were supplied as part of a complete polymer recycling plant.

Machine 1 accepts 1M3 polymer blocks, cuts off 1" slices, lowers the slice down then takes it back through the guillotine to create 1" x 1" strips. Strips are then rotated and cut into cubes.

Machine 2 accepts feed of cubes into water bath before elevating them and discharging to the downstream drying system.

Bespoke Packing Solution

Bespoke packing system to layer clients manufactured food ingredient sachets into cardboard boxes. The developed machine provides direct online packing of two continuous material streams from the upstream FFS machine. Sachets are layered across the box width via a traversing spout and front to back via a moving carriage. The carriage also lowers in relation to the increasing material height within the box.



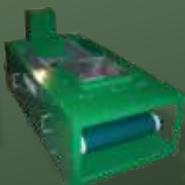


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