



CJ Waterhouse Co Ltd

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

Packing & Palletisation



www.cjwaterhouse.co.uk

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In addition to our extensive range of front end materials handling machinery and systems C J Waterhouse Company also supply a range of manual and automated packaging and palletisation systems for loose dry materials. From basic open mouth bag filling systems with manual bag placing to fully automated packaging and palletisation lines and automated FIBC filling machinery we are able to supply the end of line solution that exactly suits your specific production requirements.

FIBC & Bulk Packing

Our bulk bag filling solutions come in a variety of formats to suit your specific requirements. From single position volumetric filling stations with manual push button control to fully automated multi-position lines incorporating automatic pallet dispensing, neck sealing and take off systems.



Such systems incorporate high accuracy multi-point loadcell weighing for precise filling. FIBC filling stations can be supplied for single size bulk bags or to cover a range of bag heights and can incorporate either manual or automated height adjustment dependant upon your requirement.



Manual & Semi Automatic Sack Filling Lines



For lower throughputs and production requirements we can offer basic sack filling solutions with either manual or automated bag loading, removal and sealing. Systems can be supplied to work with any bag shape, size and material with batching accuracies and throughputs to suit your production requirements.

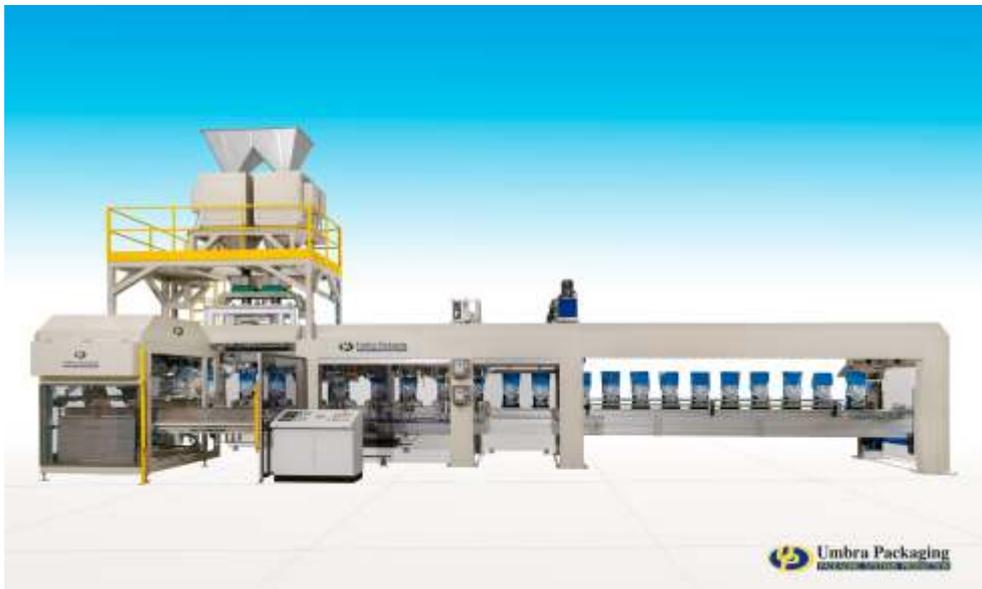
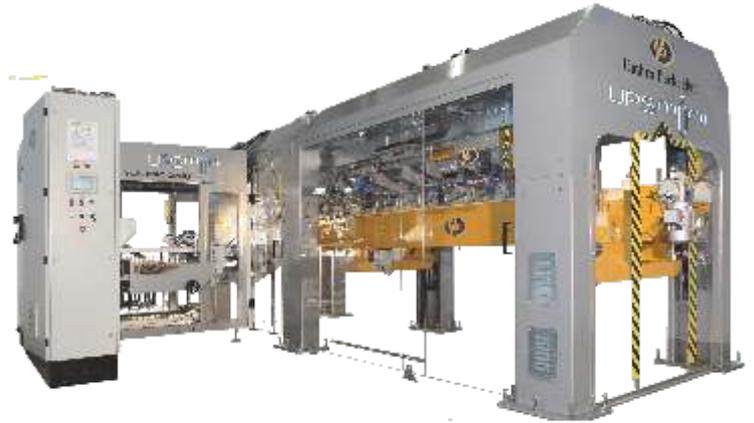
Such systems generally incorporate gravity roller conveyor systems for manual transfer of bagged materials from the filling system to the sealing station and can be supplied with either gross or nett weighers dependent upon the specific requirements. Bag closure can be either by heat sealer for plastic materials or stitched for paper and woven materials.



Automated Packing Lines

C J Waterhouse are the UK partner to Umbra-Packaging, one of the world's leading experts in automated open mouth bag packaging and palletisation systems.

From their headquarters in Perugia Italy, Umbra manufacture a range of high speed placing, filling and sealing machines for pre-made bags. Their machinery is capable of handling any bag type with integrated handles, slide locks and bespoke fastening systems at sizes from 300g to 30Kg. Single and duplex machines are available with packing speeds of up to 2000 bags per hour.



Although numerous system options are available the two basic machines are the Up1000 which is specifically designed for larger bag formats between 5Kg and 30Kg and the UP Mini which handles smaller pack sizes from around 300g to 7Kg. Both machines can be supplied to operate with various material types from powders to pellets and large kibble materials.

Palletisation

Automated palletisation solutions can be supplied using one of two methods depending upon the required throughput. The first is via a three axis robotic arm which collects the sacks from a roller conveyor and positions them upon the pallet one at a time. Multiple pallet configurations and stacking heights can be achieved.

The second method is for high throughputs and collects the bags in a similar fashion to that of the robotic arm system. The main difference is in the layering method whereby the machine creates a full layer of bags upon an opening plate system under which the empty pallet is located. When a full layer has been created the plates open and the layer is moved to the pallet. This operation is repeated a number of times until the full pallet stack is created. Between layers the pallet is pushed upwards onto the underside of the plate to flatten the layer.



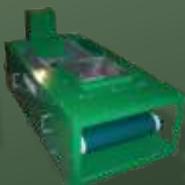


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