

WATER BIN UNLOADER WBU



machine description ::

Htech WBU is a semiautomatic system for gentle emptying of plastic apple boxpallets and can be put before any grading or packing line.

Machine is constructed from stainless steel for long life and minimum maintainance requirements. The main water tank and channel is a closed water circuit, saving costs of water consumption. Water is practically depleted only by the removal of wet empty bins and is automatically refilled when a float-gauge descends to a sset position. To ensure maximum safety a breaker is installed so the pump is switched off in case a water level gets too low.

Depending on the actual preference the machine can be set off manually by pressing a button or automatically just by putting a full boxpallet onto entry roller platform. Sensors detect the boxpallet and send it to the submerging section. The boxpallet is dived into the main tank and pressed down actively by a pair of special arms. Meanwhile apples are being taken over by a current caused by the pump. When the box is empty, which is detected by a product sensor, it is put back up again and moved to the last section where a forklift operator can take it. Apples are brought towards a brush and a washing shower system with a new clean water and released into the next part of the line. The clean water stays in the system circuit.

technical data ::

package	bins up to 1270 × 1270 × 850 mm
control system	Omron programmable processor
interface	manual key/buttons
electric requirement	400 V+ N+ PE 50 Hz
air requirement	6 bar / 190 l per min
power consumption	3,6 kW
machine dimensions	according to each project
total net weight	approx. 1,5 t empty / 3,5 t operating

output capacity ::

boxes per hour	19-21
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curved system available upon request ::

