

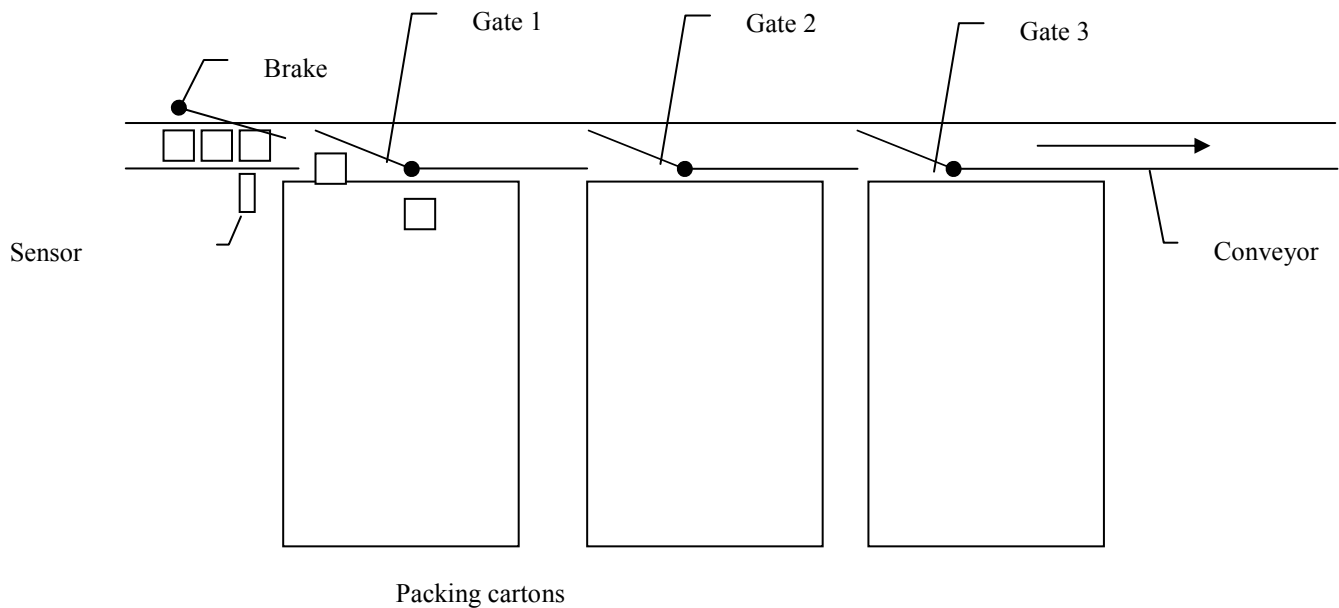
LT5 Leak Detector Option: Multi-Gate Scramble Packing System

PLASTECH
CONTROL SYSTEMS



Description

This is an optional facility where the leak detector includes a box packing system suitable for scramble packing of bottles. Bottles are diverted off the main conveyor into packing cartons, at a number of stations.



Benefits

Having more than one packing station allows a single operator to look after several lines of production, since attention is only required periodically. A box can be changed at any time, within the time taken to fill the next two boxes.

Because the system is integrated with the leak detector, there are no problems with unexpected queuing causing a jam at the leak tester.

The number of bottles per box can be easily set to any value required.

Operation

In operation, the sensor counts bottles going past it. Bottles are fed into a packing carton gate, say gate 1. When the count reaches the preset amount, the brake operates, halting further bottles. After a set time period (to allow the bottles still on the conveyor to reach the packing carton), the current gate (gate 1) closes and the next gate (gate 2) opens. The counter is automatically reset to zero and the brake is turned off.

Setting Details

If the multi-box packing option is included, the page shown below will become available. This collects all the settings and displays associated with the packing system. The Box Count display is also shown on the main start-up page provided the system is enabled.

Enable Box Packing Gates

Allows the box packing system to be switched on and off as required. Touch this display to toggle between switched on and switched off. The Box Count is displayed on the main start-up page, provided this option is switched on when the machine is powered up.

Box Pack Quantity

Sets the number of bottles to be packed in each box.

Conveyor Gate Clear Time

Sets the time in between the brake operating, and the gates switching. This time should be set so as to allow the conveyor to clear of bottles in between switching gates.

Box Count.

This is a display of the number of bottles in the box currently being filled. It will increment as each bottle goes by the sensor, until it reaches the set Box pack Quantity. It will then be reset to zero, ready for the next box.

If required, this can manually be reset to zero even when a box is not full, so that a new box can be put in place and production stated. Touch the "BOX COUNT" display to highlight it, then touching the RESET button.

This count value also appears on the main page that is displayed after power-up.

Gate Number

This identifies the gate currently packing bottles.



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