

Case Study: Logtek Tray Washer

Project:

To design and build a high speed tray washer for washing of returnable trays for a major supermarket

Features:

- Infeed conveyors
- Ambient pre—wash
- Heated wash and rinse
- High pressure label removal
- High flow drum filters
- Air knife drying
- Re-verter chutes and discharge conveyors

Unitech Washing Systems have completed the second new generation high speed traywash installation for long term clients, Logtek Limited.

The machine is installed in their Crewe operation and provides a hygienic wash facility for a major supermarket chain. The machine has multiple functions and allows full flexibility via the HMI panel allowing areas of the machine to be activated / isolated depending on wash criteria required. This enables the site to be as efficient as possible.

The innovative high pressure section facilitates the removal of adhesive labels from the trays' outer surfaces and employs a secondary filtration system with a self-flushing feature, thus minimising jet or pump

blockages. Multiple Air Knives can also be turned on or off to maximise the efficiency of the machine.

After washing, trays are automatically reverted to a base down condition to allow ease of re-nesting and stacking. The machine has a design speed of 2250 trays per hour per track (4500 trays per hour total) but is inverter controlled to allow the line speed to be adjusted if required. The motors are also fitted with electronic torque limiters, which activate in the event of a tray jam, thus protecting the machine and the product being handled.

Full access to the washer internals is via electrically interlocked doors, preventing entry whilst the machine is running but allowing excellent access for clean down.



As with other machines within the range, this unit is designed with hygienic principles in mind, minimising bacterial growth areas and dirt traps.

For further information on Unitech Washing Systems please contact us at our head office on the number or email address below.

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