

# Autoprep

FLATWORK HANDLING TECHNOLOGY

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The Autoprep is designed to automatically separate tangled workloads of laundry and present the articles directly to the feeding machine operators.

A suitably sized laundry truck containing tangled items that have been discharged from a tumble dryer is loaded into an Automatic Truck Mover (minimum requirement option). The laundry truck is moved back and forth beneath the pick head mechanism, with items being picked and processed through an integral Oscillating Conveyor.

Separated items are discharged by the Oscillating Conveyor and directed into another laundry truck positioned beneath the rear guard assembly for onward delivery to the feeding machine operators. When the truck is substantially emptied the control system activates an audiovisual alarm to alert an attendant of work completion.

The Autoprep can also separate directly from pressed cakes and cheeses, which have been discharged from a water extraction press, thereby eliminating the tumble operation.



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## Optional Extras:

- **Automatic Truck Mover (minimum requirement option)** - Available as standard Truck Mover for laundry trucks of the following sizes - 1525mm (60") Long x 915mm (36") Wide max, 1220mm (48") Long x 559mm (22") Wide min.  
Or  
Available as larger Truck Mover for laundry trucks of the following sizes - 1829mm (72") Long x 915mm (36") Wide max, 1474mm (58") Long x 900mm (35") Wide min.
- **Automatic Shuttle Truck with Feed Hopper** - This option receives a batch of tumbled sheets from an overhead bag rail system (or similar) into a feed hopper. The sheets are then directed into an integrated heavy-duty truck contained below. This truck is automatically transferred into position beneath the pick head mechanism and moved back and forth until substantially empty. The control system then activates an audiovisual alarm to alert the operator of work completion, at the same time returning the truck to its original position beneath the Feed Hopper section in readiness for the next batch of sheets.
- **Automatic Shuttle Truck with Cake Buster** - This option will receive a pressed cake or cheese directly from a water extraction press thereby eliminating the costly tumble operation where this is used primarily to break up the work. The cake or cheese is directed into rotating breaking rollers and then into an integrated heavy-duty truck contained below. This truck is automatically transferred into position beneath the pick head mechanism and moved back and forth until substantially empty. The control system then activates an audiovisual alarm to alert the operator of work completion, at the same time returning the truck to its original position beneath the Cake Buster section in readiness for the next cake or cheese. A freestanding Cake Buster can also be supplied that may be installed alongside the Autoprep. (Please see Cake Buster brochure for more details).
- **Automated Conveyor Systems** - A variety of work delivery and distribution conveyors may be integrated with the Autoprep and its optional equipment to provide complete automation of the process from tumbler or water extraction press through to presentation to the feeder or ironer workstations.
- **Auxiliary Discharge Conveyor** - Required when it is necessary to convey the processed work away from the Autoprep to laundry trucks or existing conveyors.
- **HJ Weir Laundry Truck** - Additional low-density polyethylene laundry collection bins complete with castors and tapered internal design for general usage and or for use with Automatic Truck Mover.
- **Special Spares** - Range of dedicated spares for the Autoprep configuration.

## Standard Features

- PLC control
- Intelligent automatic overload protection to eliminate laundry damage
- PLC signals for auxiliary equipment

## Installation

The Autoprep is self-contained and freestanding with a footprint no greater than a standard laundry truck. It can be located at the most convenient point in the production line and simply connected to the electricity and compressed air services.



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