



56 Autograde Towel Folder



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The 56 Autograde is a single lane folder and stacker that can easily be programmed on site to enable the processing of mixed size towels. Such items can be presented to the 56 Autograde in any order, where they are graded by length to receive the type of primary fold required. Folded items continue through the 56 Autograde to a pre-determined stacking section for crossfolding, counting and stacking onto an integral stack conveyor. After the set stack height has been reached, the completed stacks are transferred onto a common conveyor mounted to the side of the 56 Autograde (left or right hand to be confirmed at time of order). This conveyor can transfer the completed stacks back to the operator or to the rear of the 56 Autograde (to also be confirmed at time of order) for manual removal or may be linked to an automated handling system.

A Non-Autograde (single stack section) machine is also available.

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Method of Folding

Primary Folding

The HJ Weir patented folding system used on the 56 Autograde incorporates silent flow through rapid braking conveyors that fold each item with utmost simplicity. A choice of one, two or thirding folds are available together with a primary fold-bypass option.

Crossfolding

The well-proven high speed HJ Weir Stac-N-Fold system adds a crossfold while simultaneously stacking the finished item onto the integral stack conveyor.

Bypass

Both primary folds can be bypassed on items up to 600mm (23") in length when crossfolding only is required.

Reject

A complete reject system is fitted as standard which allows unhindered passage of rejected items to the rear of the 56 Autograde where they may be discharged to an awaiting laundry trolley or reject conveyor.

Speed

The input conveyor runs at a standard speed of 35 mpm (115 fpm).

Installation

The 56 Autograde is self-contained and freestanding. It can be located at the most convenient point in the production line and simply connected to the electricity and pneumatic supply.

Optional Extras:

Edges Out Module - To provide edges out presentation of completed item.

Braking Conveyor - Fitted to one or two stacking sections to eliminate the butterflying or twisting that may be present when crossfold and stacking large towels.

Special Spares - Range of dedicated spares for the chosen 56 Autograde configuration.

Other Features:

- W.I.S.E. (Weir Intelligent System Electronics) PLC control.
- 32,000 colour, High Illumination, Liquid Crystal Touch Screen Interface.
- Interface has Multi-lingual capability with wide reading angle, IP65 class protection.
- Multi-level security access for operators, supervisors and maintenance personnel.
- Enhanced diagnostics using an event and fault log which is accessed by the Touch Screen Interface.
- Warning display for low pneumatic pressure.
- Individual piece count for each stacking section.
- Digital measuring for greater accuracy.
- Automatic tensioning of the main conveyor belts.

Versatility

Full automation of the completed stacks is achievable when the 56 Autograde is supplied with an integrated conveyor system option. This system may include duplex discharge conveyors incorporating a tipping conveyor that can transfer completed stacks onto a new or existing auxiliary conveyor for onward delivery to packaging equipment.

Machine Capacity/Folding Range

Maximum Piece width	1100mm (43")
Maximum Piece running length	1800mm (71")

This permits:

- 1 Primary fold in pieces up to 1200mm (47") long
 - 2 Primary folds in pieces up to 1800mm (71") long
- Thirthing fold in pieces up to 1350mm (53") long