

Foldmaker 55



FLATWORK HANDLING TECHNOLOGY

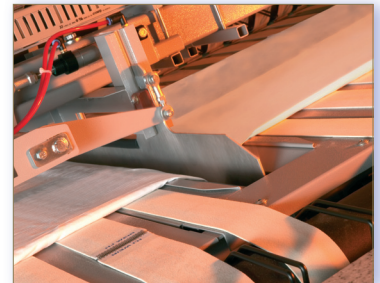
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The Foldmaker 55 offers enhanced fold accuracy and consistency in a recognisable and established package. The Foldmaker 55 provides high speed, compact and versatile flatwork folding solutions for a wide range of laundry environments.

A variety of models are available that are capable of meeting all production needs, ranging from the simple single lane primary only folder, through to the versatile fully automatic multi lane folder and crossfolder stacking system. The extensive menu of options that are available using the latest control equipment will ensure that even the most demanding of applications can be catered for.



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Method of Folding

Primary Folding

All primary folds are completed by the application of controlled high-speed air jets directing the pieces between rollers.

Crossfolding

Number 1 cross fold is performed by a blade fold directing the item between rollers.

Number 2 cross fold is performed by an air jet directing the item through a reversing conveyor mechanism.

Number 3 cross fold is performed by lift fingers directing the item through a reversing conveyor mechanism.

Folding Options

Primary Folding

Up to three primary folds are available depending on options chosen. On a multilane machine all fold types may be individually selected, allowing each lane to perform different options simultaneously. A Foldmaker 55 including the optional 3rd primary fold module will offer the alternative of edges being presented up or down when operating in 2-fold mode, while also allowing items up to a maximum length of 3400mm (134") to be processed. The inclusion of the 3rd primary fold option also enables items to be Autograded by running length to receive the correct number of primary folds.

Crossfolding

A standard machine will provide two crossfolds in either single lane or two lanes depending on machine configuration chosen.

An additional crossfold can be added in single lane operation when the optional 3rd crossfold module is chosen. The inclusion of the 3rd cross fold option also enables items to be Autograded by width to receive the correct number of cross folds.

NOTE This option must be specified if an Auxiliary Drop Stacker for the accumulation of completed crossfold items is to be included.

Alternatively a freestanding Stac-N-Fold 51 crossfold stacker can be added at a later date if changing production requirements demand the inclusion of a 3rd crossfold.

Bypass

Two kinds of bypass modes are available as standard:

Full machine bypass inhibits the 1st fold operation allowing the pieces to drop onto the rear delivery table.

Through machine bypass allows the pieces to follow an unrestricted route to the rear delivery table.

Speed

Full ranges of programmable fixed speeds between 10-50mpm (33 - 164 fpm) are available via the machines PLC control.



Optional Extras:

- **3rd Primary fold** - Allows articles up to a maximum running length of 3400mm (134") to be processed.
- **3rd Cross fold** - Allows articles to be given an additional crossfold.
- **Reject Control** - Allows individual and single lane reject for rewash or repair items.
- **Antistatic Bar** - Required to decrease build up of static on effected articles.
- **Self-Clean Photocells** - Ensures photocells remain free of lint deposits.
- **Light Bar** - Provision of operator lighting above rear delivery table.
- **Line Control** - Allows the replication of both program and reject selection (if included) from either the Foldmaker 55 or compatible Vacfeed Low Line.

or

- **Remote Operator Control** - Allows control keyboard to be located close to feeder or ironer controls.
- **Individual Lane Bypass** - Allows full control of fold or bypass sequence in each individual lane.

Note – Not applicable on single lane machines (A or AA).

- **Dual Air Pressure** – To help prevent fold distortion when processing extremely lightweight material.
- **Special Spares** - Range of dedicated spares for the chosen Foldmaker 55 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.
- Detailed diagnostics allows the engineer and operator to command the physical actuation of items such as certain valves and cylinders to view the movement of the items under their control using the Touch Screen Interface.
- Warning display for low air pressure.
- Individual piece count per lane.
- Digital measuring for greater accuracy.
- Auto-Variable Speed Control automatically adjusts Foldmaker 55 speed to match any variants in ironer speed.
- Collection table to rear of machine that includes an exposed catch bag in table tilt mode.
- Collection table to side of machine for all crossfolded items. (Not applicable when optional HJ Weir crossfold stacker is specified).
- Safety operator guard interlocked to machine control.
- Standard nose conveyor allows 3400mm (134") maximum length of piece for folding (see 3rd primary fold option).
- Photo sensor measuring switches together with automatic lane coupling availability in each machine program.
- Run time monitoring, individual piece counters per lane and totalising count for production.
- CE standard compliance.

Machine Capacity (Standard 3.0m (120") model)

Maximum Piece width	3000mm (120")
Minimum Piece width	200mm (8")
Maximum Piece running length	3000mm (120")
Minimum Piece running length	500mm (20") - dependent on fold requirement



Foldmaker 55



Auxiliary Equipment

Single Stacker

An Auxiliary Drop Stacker for stacking and collection of all crossfolded items.

Dual or Triple Stacker

The provision of a two or three station Auto Grade Stacker will provide the facility for segregation of completed crossfolded items into individual stacks.

Auxiliary Collector

An integrated multilane Collector unit can be supplied that will allow collection of small unfolded pieces on the rear delivery table.

Stak-A-Pack 12

The Foldmaker 55 with the option of an inbuilt Stak-A-Pack 12 mounted to the rear will provide a multilane in-line stacking facility for most table linen, or where high production of multi-lane small piece folding is required. The leading edge of the piece is directed into a pneumatic clamping mechanism, then lowered and released onto an integral stacking conveyor. Counted stacks are discharged to the stack delivery table mounted to the rear of the stacking mechanism. A freestanding multilane Stak-A-Pack 12 is also available that can easily be added at a later date.

Stac-N-Fold 56

Alternatively the addition of a multilane Stac-N-Fold 56 will provide a small piece crossfolding and stacking facility. Pieces are simultaneously crossfolded and stacked onto an integral discharge conveyor. Full automation of the completed stacks is achievable when the Stac-N-Fold 56 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 an existing auxiliary conveyor for onward delivery to packaging equipment. A freestanding multilane Stac-N-Fold 56 is also available that can easily be added at a later date.

Foldmaker 55 and Drop Stacker



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