SFM.II FoldMaster Standard

Folding Technology

Kannegiesser®

PARTNER IN LAUNDRY TECHNOLOGY

FoldMaster

Special Features

The special strength of the FoldMaster Standard is its reliable high performance and high availability.

The typical range of application are the high speed ironer lines for large pieces but it is also possible to fold small pieces.

Modern textiles and washing technologies can cause static which can badly disrupt the operation of the ironer line. To manage static discharge there are a number of special design features including take off fingers, conductive transport belts as well as extensive support plates with central earthing.

Faults messages are instigated by the machine itself and the corresponding fault appears as a text on the display panel.

Maintenance-free and wear less flat belt drive. For easy access all drive and control components are located inside the side frames.

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Length Folds

Before each folding process the items are able to hang free – this is the pre-condition for an exact folding process.

The items to be folded are always guided between pairs of belts. The upper and lower belts are driven and run with the same speed, in order to avoid any distortions in the fold process. Before each length fold station the items are measured by a combined measuring wheel/photocell unit in front of the fold section and with a photocell in front of the next section.

The electronic equipment used is able to register the corresponding length of the linen to within a tolerance of 2 mm.

The computer calculates the exact point of time for folding according to the required amount of overlapping.

All fold sections are well accessible despite the compact construction. The photocells are maintenance free.

The advantages of the air blast folding process of the latest technical generation are the high reaction rate, the precise fold quality and the omission of wear and tear parts.

Air blast folding

Extremely precise working length folding allows exact folding results for various articles. Adjustable blast pressures for different article thicknesses. An integrated compressed air storage tank takes care for consistent folding quality.

First Length Fold Station

The item is able to hang free prior to the first length fold station.

First Length Fold Station

Precision air blast nozzles with adjustable blast impulse duration for different articles initiating the length fold at the exactly predetermined moment.

Item measuring

Combined measuring wheel/photocell units for exact measuring of article length. Overlapping settings for different article sizes can be carried out within one program.

Cross Folds

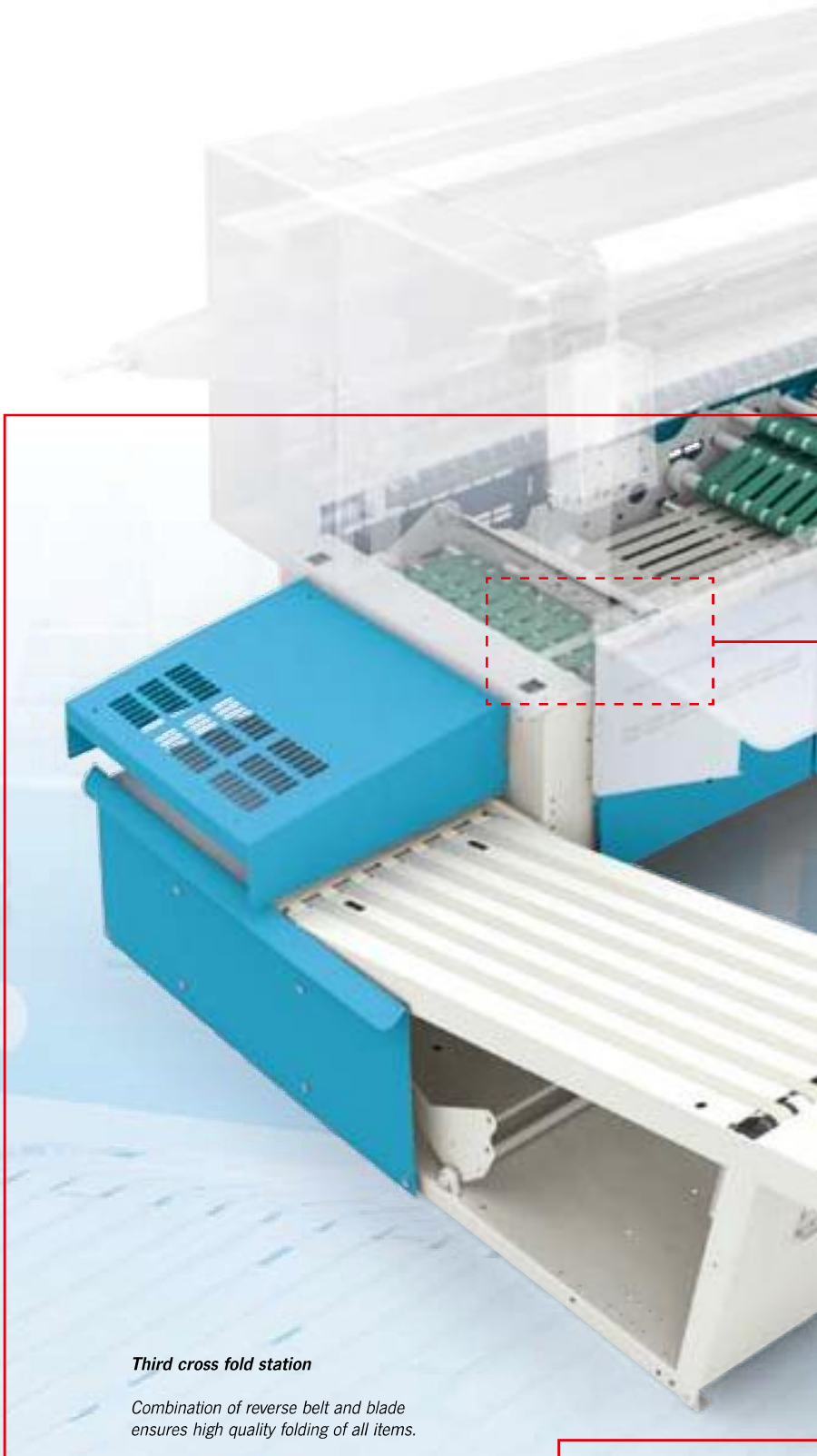
The availability of a folding machine and hence the complete ironing line strongly depends on the cross fold section.

As the pieces to be folded are naturally thicker during the cross folding process than in length fold section, mechanical folding blades are used for the cross fold operation.

At the first cross fold station a blade pushes the item between two movable rollers which easily adjust themselves from very thick as well as very thin items.

The second cross fold station is also performed by folding blade as standard. An optional “open fold” pattern is available if required.

The final cross fold utilises both reverse belt and blade folding. At this station the folding gap is automatically adjusted to the particular item thickness – therefore items with a variety of thicknesses can be processed.This variable pendulum affect in the cross fold section guarantees a good overall fold quality.

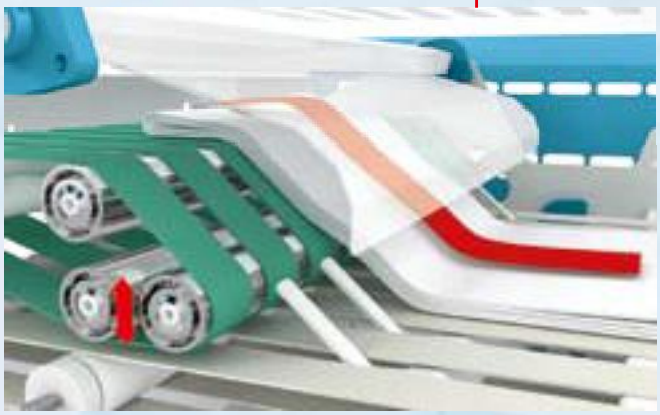


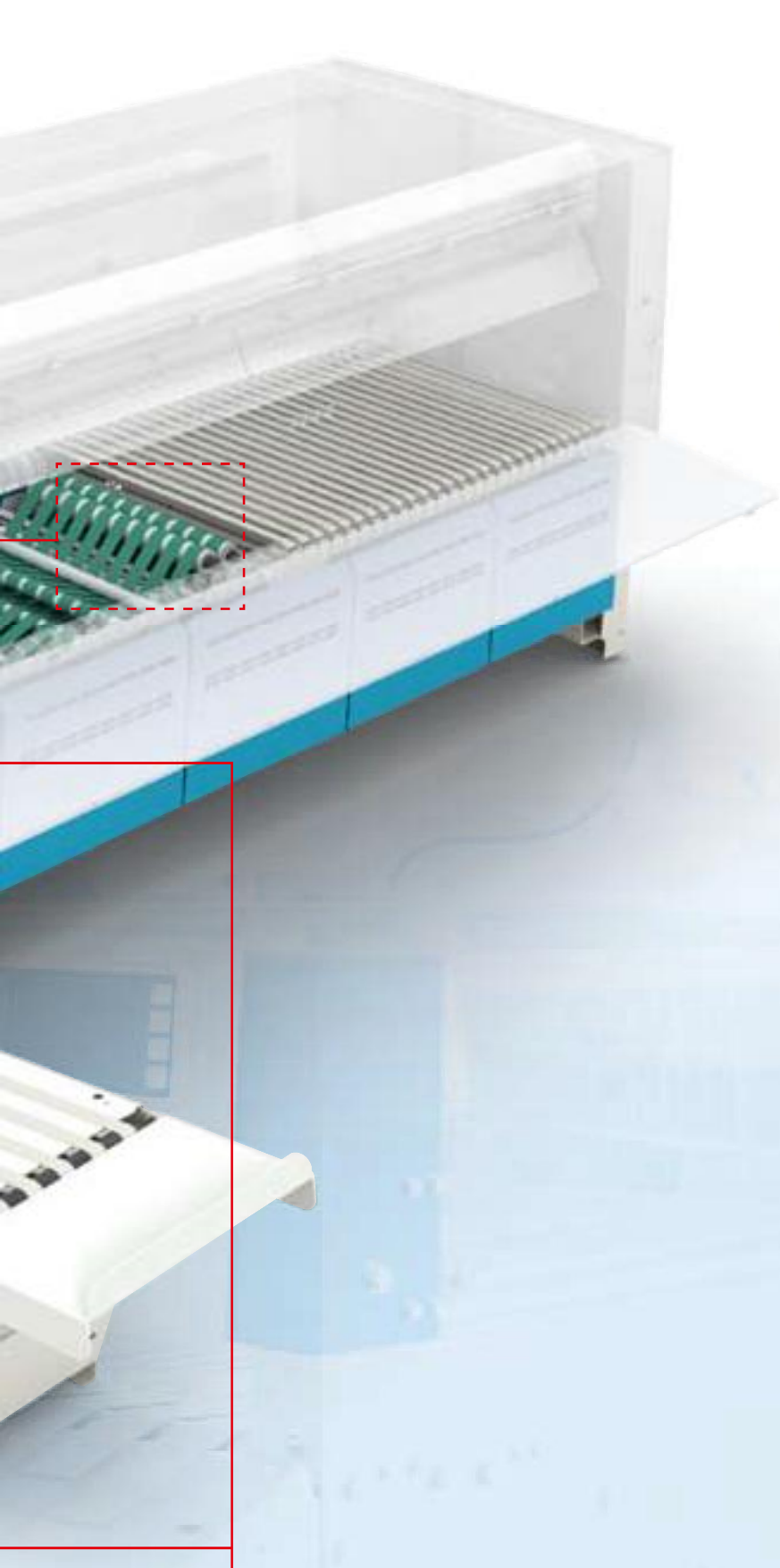
First cross fold station

Pendulous supported rollers in the first cross fold section for thicker articles.

Third cross fold station

Combination of reverse belt and blade ensures high quality folding of all items.

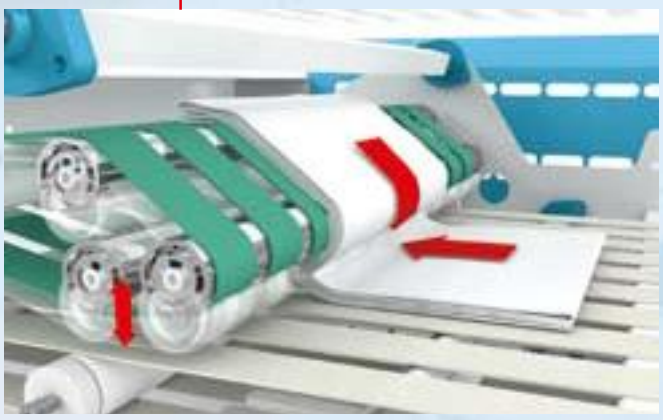




“Open fold” format with 3 cross folds, for theatre linen.

The Kannegiesser Roller-Belt-Principle

The folding process always takes place between roller and belt. Hence thick and thin articles are always being guided safely.



Automatic folding gap adaption

The auto-lift function allows an automatic lifting of the cross fold section. Very thick items as well as incorrect folded items are being easier discharged automatically. A program dependent folding gap extension is available as an option.

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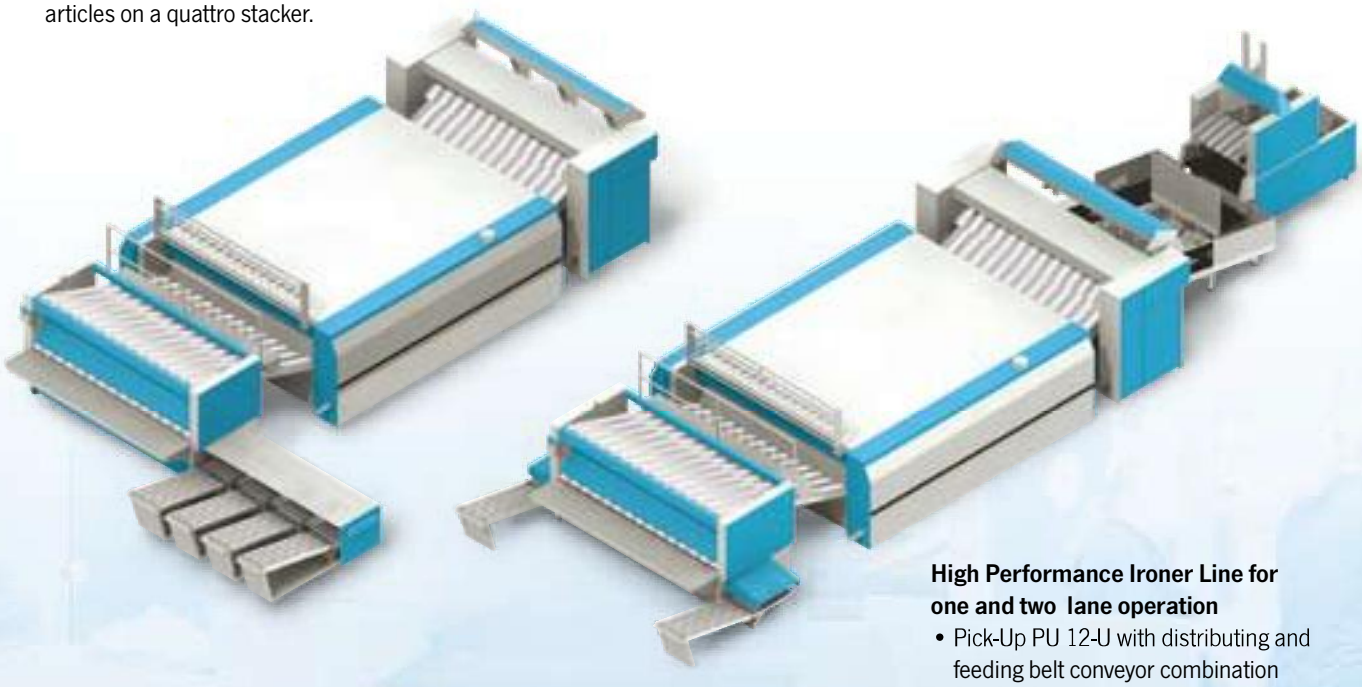
High Speed Ironing Lines

High Performance Ironer Line for one lane operation.

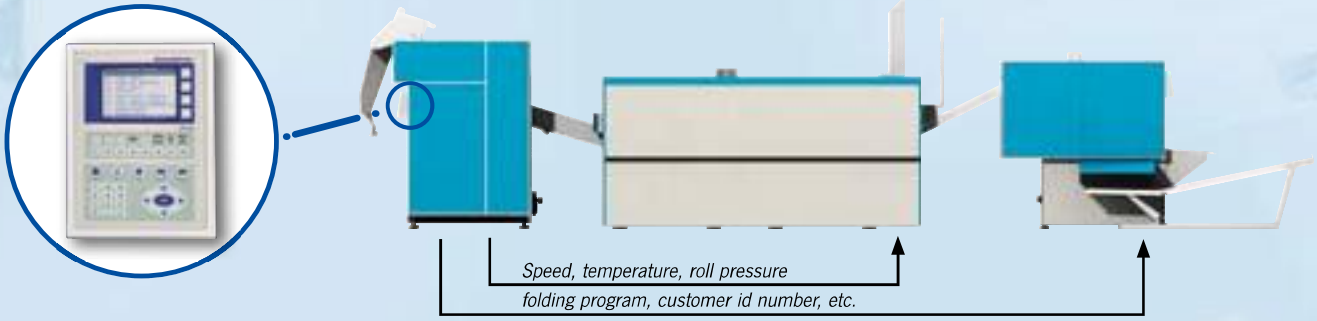
- Feeder Combifeed Trio EMT-S
- Ironer HighPower HPM
- Folder FoldMaster Standard SFM.II automatic sorting for item sizes or articles on a quattro stacker.



High Performance Ironer Line for one and two lane operation

- Pick-Up PU 12-U with distributing and feeding belt conveyor combination
- Feeder Combifeed Quattro EMQ-S
- Ironer HighPower HPM
- Folder FoldMaster Standard SFM.II Stacking on to high performance single stacker

Central Program Control for Ironer Lines (Option)



- Central display of all important machine parameters and production data
- Optimum setup of machines for all articles
- Simple program selection from “text program list”
- Optimized use of ironing surface by fast program change
- Diagnostic functions

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Stacking

Stacking

- Lay-down with the roll-off principle
- Stacker lowers level according to item thickness
- Stack height is adjustable according to program

Technical Data

Model	Working width mm [1]	Number of length folds [1]	Number of lanes in length fold [1] [2]	Number of cross folds [1]	Number of lanes in cross fold [1]
SFM.II 30	3000	2 to 3	1 1/2 1/2/3 1/2/4	up to 3	1, 1/2
SFM.II 33	3300	2 to 3		up to 3	1, 2, 1/2
SFM.II 35	3500	2 to 3		up to 3	1, 2, 1/2
SFM.II 40	4000	2 to 3		up to 3	2, 1/2
SFM.II 42	4200	2 to 3		up to 3	2, 1/2

[1] *Depending on crossfold section*
[2] *Depending on working width*

Subject to changes by development
Brochure shows optional equipment

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