

High-speed combination folder

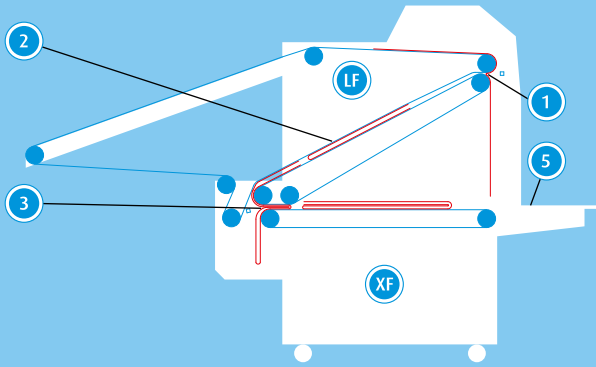
Jenfold Classic

The ideal solution for making
1, 2, or 3 classic half folds

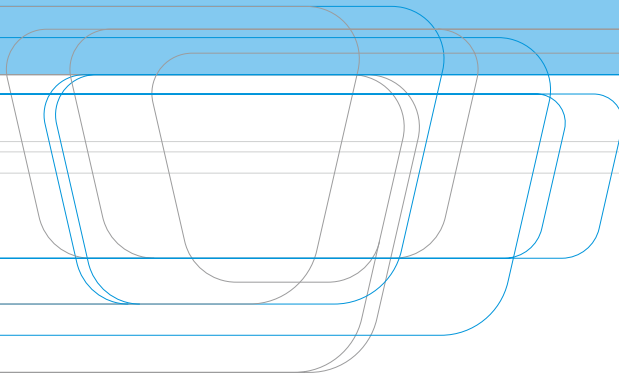
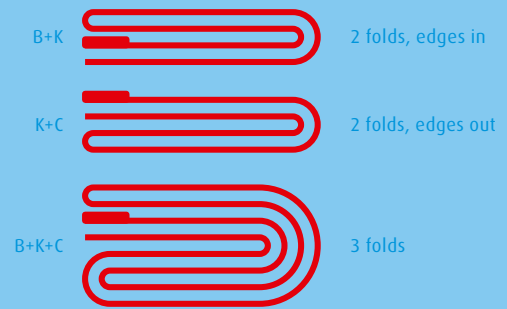
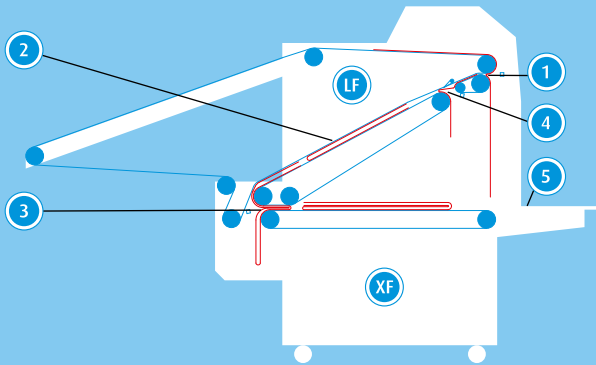


LF Lateral folding

2-lateral fold model



3-lateral fold model

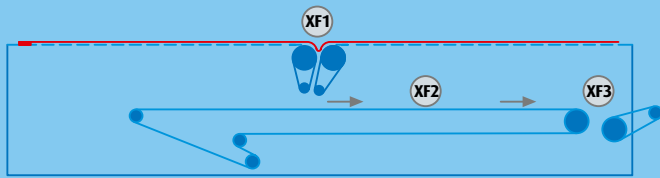


Jenfold Classic

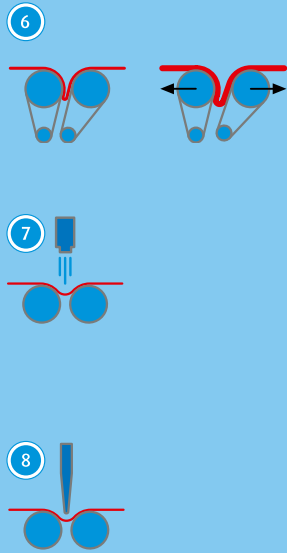
The ideal solution for making 1, 2, or 3 classic half folds
The Classic is a fast, flexible, uncomplicated and reliable combination folder.

The Classic combination folder is a high-speed folder for large pieces, giving 1 or 2 primary folds as "classic" half folds in 1, 2, 3, or 4 lanes, and a 3rd lateral fold as an option. The lateral folder can be combined with cross folders to suit the type of linen, the product mix and the required folding patterns. In addition, it can be combined with small piece combination cross folders and stackers for multi-purpose ironer lines. The folder was designed with less moving parts than other conventional lateral folders, which makes it a very fast and reliable folder. The lateral folder operates without reversing mechanisms and has a running speed of up to 60 m per minute. The speed is synchronously adjusted to the ironer speed.

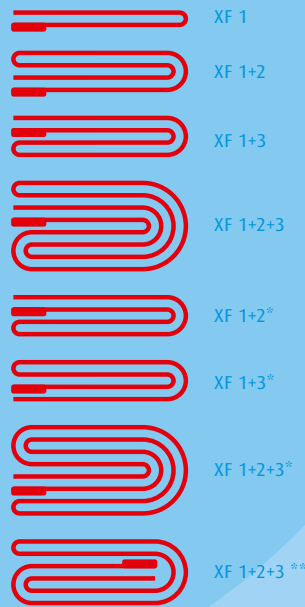
XF Cross folding



Succession of 3 cross fold stations



Cross fold patterns



LF – Lateral Fold section

1 The linen is hanging freely from the top of the folder's conveyor at the 1st lateral fold (B). The fold is performed by air blast between pinch rollers. The air blast can be adjusted according to linen thickness, ensuring fast, simple and efficient folding of light or heavy linen.

2 Belting guides the linen through the machine. This technique prevents the linen from sliding and displacing, and the pressing function ensures optimum folding quality.

3 Lateral fold C is performed by sandwich conveyor belts and air blast. Thanks to the sandwich design, optimum friction and an excellent folding quality is ensured.

4 The 3-lateral fold model is supplied with the K-fold („Cascade“ fold), which is

a simple, but high-speed lateral fold enabling the folder to make two lateral folds with edges in or edges out, or 3 normal half folds. Bypass is possible.

5 Rear table can slide 150 mm to allow long items to hang freely at 1st lateral fold.

XF – Cross fold section

A wide range of JENSEN cross folders is available in the Classic concept. You can choose between 1 lane, 2 lanes, combined 1 & 2 lanes or 1 & 3 lanes, giving 1, 2, or 3 cross folds according to model and number of lanes.

6 The 1st cross fold is performed between pinch rollers. The distance between the rollers, and thus the roller pressure, is automatically adjusted by means of air cylinders, ensuring optimum friction and flexibility

disregarding linen types and thicknesses. Belts guide the linen down and press the linen, ensuring exact fold and smoothing of the folded edges. In case of a jam or emergency stop, or when opening the safety guards to the cross fold section, the distance between the rollers at the 1st cross fold automatically increases, allowing the operator to remove the linen.

7 Air blast between pinch rollers at 1st cross fold is recommended for light linen and after only 2 lateral folds.

8 Knife between pinch rollers at 1st cross fold is recommended for heavy linen and after 3 lateral folds.

9 Pick-up and drop at 2nd cross fold is recommended for light linen and after only 2 lateral folds.

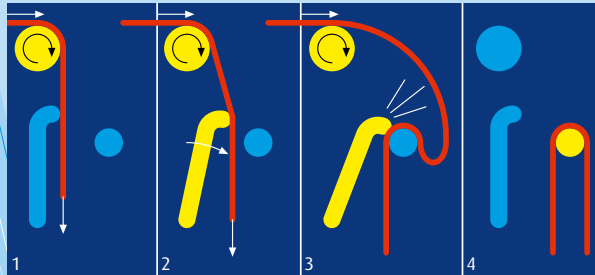
Examples of folding techniques in JENSEN cross folders



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Stacking principle of the stacker. Draping stacker for small pieces under 1st lateral fold (Option on 2-lateral-fold machines).

Universal cross folder for half folds in 1&2 lanes

Universal cross folder showing French fold in 1 lane



Draping stacker with 1 fixed storage bar is also available with 3 rotating storage bars.

10 EN-fold with knife at 3rd cross fold for half folds.

11 Air blast at reversing conveyor.

12 Reversing conveyor and air blast at 2nd cross fold are recommended for high-quality half folds of heavy linen, e.g. table linen and duvet covers, and after 3 lateral folds.

13 Reversing conveyor and air blast at 2nd cross fold (under 1st cross fold) are recommended for high-quality half folds of heavy linen, e.g. table linen and duvet covers, and after 3 lateral folds.

14 Reversing conveyor at 3rd cross fold is recommended for high-quality half folds of heavy linen, e.g. table linen and duvet covers, and after 3 lateral folds.

15 Air blast at 3rd cross fold for half folds.

16 Knife at 3rd cross fold for French fold. (Possible in 1-lane operation).

17 Outlet conveyor. The outlet to both sides is possible (option).

18 Large piece Max Twin stacker. The delivery side from folder is reversible.

19 The Jenselect sorting system includes sorting table with flaps and collection cart with two compartments (option).

20 The Draping stacker with 3 rotating storage bars is placed under 1st lateral fold for small pieces (option).

Modern textiles and washing techniques combined with high speed through the

ironer line may cause static electricity, which can disrupt the finishing operation. In order to reduce accumulation of static electricity, the folding speed can be synchronized with the ironer speed through the Jentrol HMI PLC control system.

In addition all JENSEN folders are equipped with galvanized plates to take up static electricity, and the machine can be supplied with anti-static belts in the lateral fold section as an option.



Jentrol HMI PLC and control system with touch-screen

Accurate folding requires ultra-fast and accurate control. The Jentrol HMI PLC control system represents the recent and most advanced PLC control system with touch-screen ensuring optimum control of the folding parameters.

On ironer lines for high-quality purposes especially, it is an all-important factor to ensure the accuracy of the folding functions, and the right speed and control through the entire ironer line in general.

The Jentrol HMI control system features a fast and accurate processor, an easy-to-use man-machine interface, multi-language facilities and an option for remote system service.

Easy to use man-machine interface prepared for Cockpit

The PLC control allows you to operate with sorting on stackers, automatic lane combination, integrated finishing line control from feeder end, variable speed, etc.

Remote control of folder from feeding takes place through separate panel or feeder panel. The software is prepared for the state-of-the-art Management Information System Cockpit and JENassist remote service via VPN connection.

As a standard feature in the software program, all production statistics data can be easily exported to an Excel spreadsheet through a USB port positioned in front of the operating panel.

Detailed information per customer / article or up to 99 categories, informing:

- production per lane
- drop and sorting (repair / rewash)

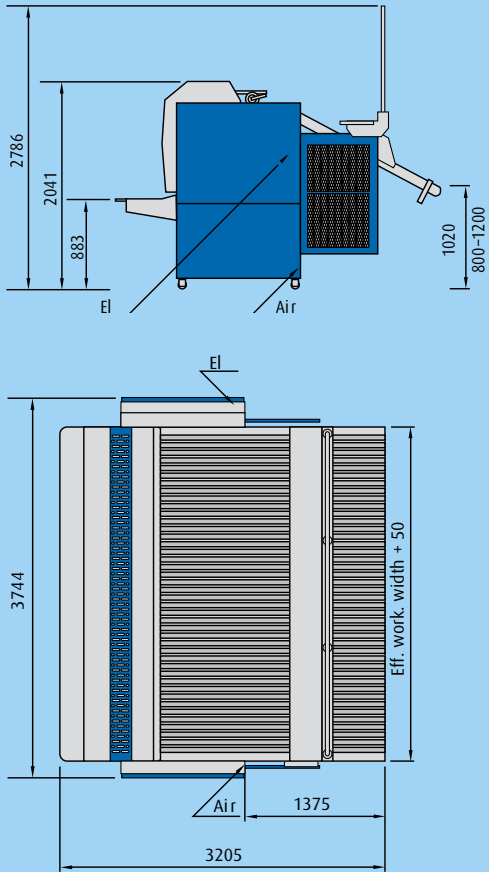
You get the above information for each recipe in total and for all recipes in total, and you can get historical totals differentiated on:

- per day
- per recipe
- per day / recipe / batch

Customer / Article (set by flag) enables you to differentiate history further on:

- per day
- per day / Customer
- per day / Customer / Article
- per day / Customer / Article / Batch
- in total for each

Example of typical layout. JENSEN shall be pleased to provide you with other models if required. Please contact your local JENSEN partner.



Additional features and options

- Visual LED indicators for control in PLC rack
- Main drive by toothed belt
- Automatic lane combinations
- Automatic bypass of twisted and badly fed linen to rear table
- Automatic 1 or 2 lateral folds
- Automatic 2 or 3 lateral folds
- Jam alarm in lateral fold section for small pieces
- Jam alarm in lateral fold and cross fold section for large pieces
- Brushes at 1st cross fold in 1-lane operation
- Automatic 1 or 2 cross folds
- Automatic 2 or 3 cross folds
- Draping stacker for small pieces placed in rear table

Installation

JENSEN is pleased to assist you in planning your laundry by providing excellent advice, layouts and technical data. Authorised JENSEN distributors or JENSEN engineers should carry out the installation to ensure that it is performed correctly.

Service

In addition, JENSEN provides an extraordinary after-sales service through a worldwide network of highly qualified Sales and Service Centres and distributors, all with their own maintenance and spare parts services.

Call us...

JENSEN provides a complete range of heavy-duty equipment for the laundry industry, delivered and installed according to your specifications. Please do not hesitate to contact us for further advice and information, or visit www.jensen-group.com

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