

## JENSEN X5 & JENSEN XW5

A fast and reliable combination folder and the standard solution for making 1,2 or 3 classic half folds with  
**JENSEN S5 & JENSEN SW5** high-capacity, large piece stacker



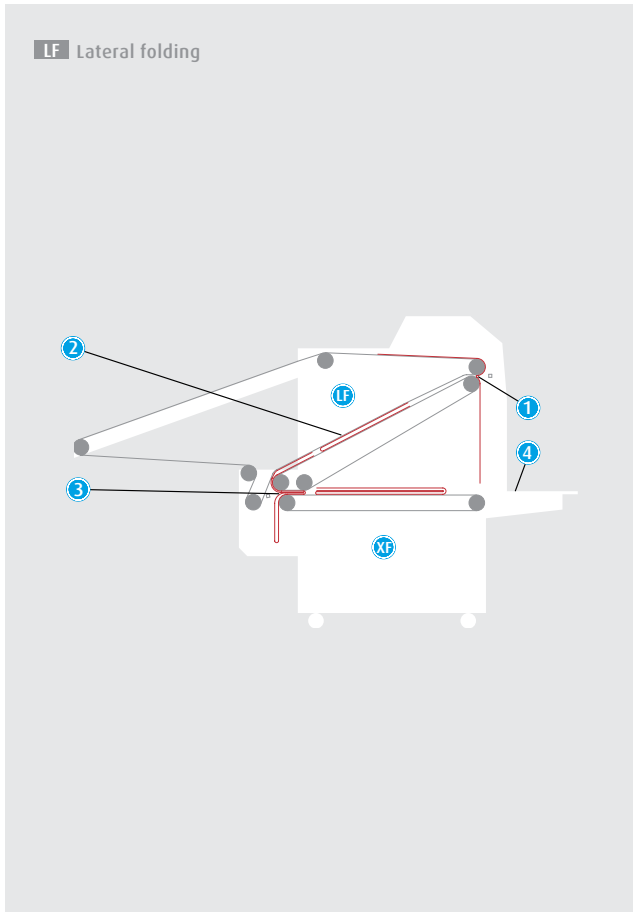
## Summary

The **JENSEN X5** is a range of combination folders with lateral folding available in one lane for large pieces and two or four lanes for small pieces. The folder was designed with less moving parts than other conventional combination folders, which makes it very fast and reliable. The cross fold section of the machine comes in several possible configurations to suit the type of linen, the product mix and the required folding patterns. In addition, it can be combined with a small piece combination cross folder and stackers to make a multi-purpose ironer line.

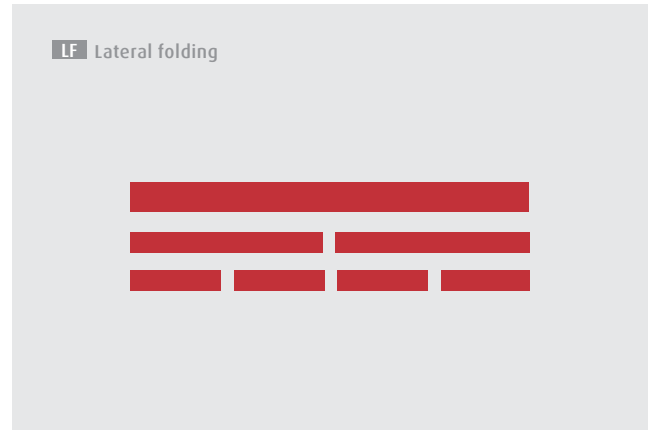
The **JENSEN XW5** is a specific development with increased sizes of hotel linen in mind. The cross fold opening section is 1030 mm (41"), 200 mm (8") larger than the JENSEN X5, making it possible to process linen 4 meters (158") in length. Like the JENSEN X5 model, the JENSEN XW5 is available with a selection of cross fold sections which have been carefully designed to meet different folding requirements.

## Highlights

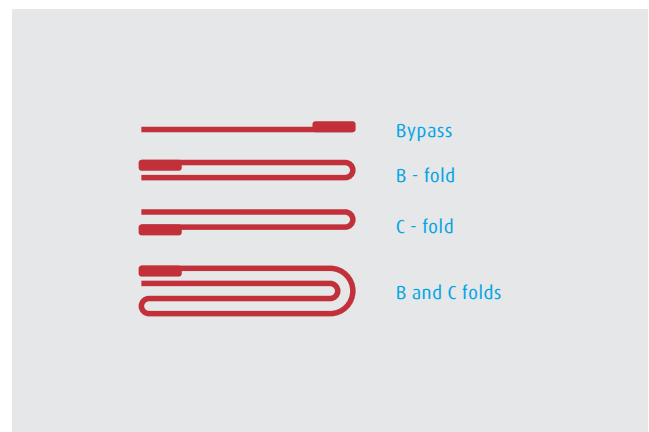
- Standardized solution for fast, simple and reliable folding;
- Two lateral folds available (B + C);
- Four possible cross fold configurations;
- Heavy-duty motors with built-in overload protection;
- Standard speed up to 60 meters per minute;
- Toothed belt drive for low noise levels;
- Maintenance and service friendly design;
- Galvanized plates to take up static electricity;
- Folder speed is synchronously adjusted to the ironer speed;
- Working width of 3000, 3300, 3500 mm (118", 130", 138");
- JENSEN X5 cross fold opening: 830 mm (33");
- JENSEN XW5 cross fold opening: 1030 mm (41").



Two lateral fold configuration



Lane divisions - Lateral fold section



Lateral fold patterns

## LF – Lateral fold section

The JENSEN X5 and JENSEN XW5 provide one or two lateral folds as well as optional bypass.

The first lateral fold **(B)** is performed by air blast between pinch rollers, allowing the linen to hang freely from the top of the folder's conveyor. The air blast can be adjusted according to linen thickness, ensuring fast, simple and efficient folding of light or heavy linen. This technique has proven to be fast, simple and reliable, providing a good finishing quality as the linen is naturally stretched by gravity.

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

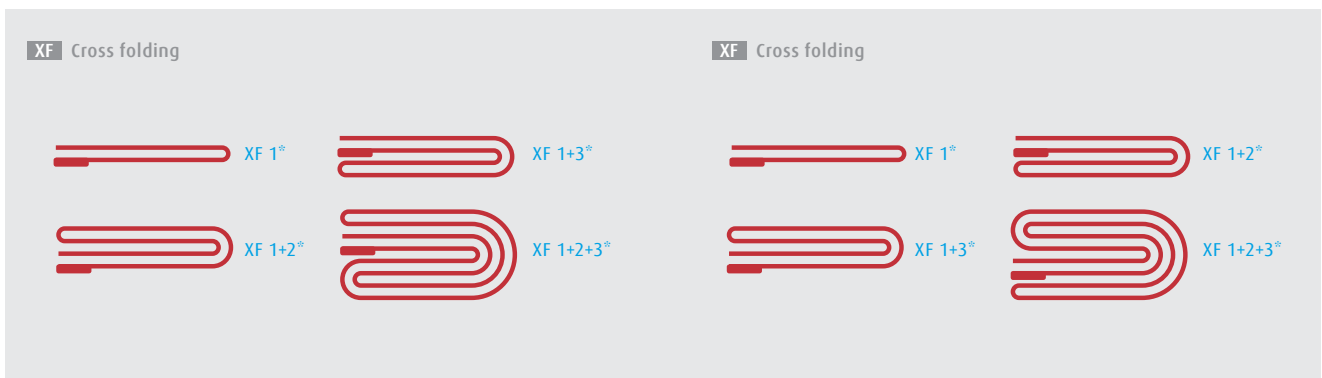
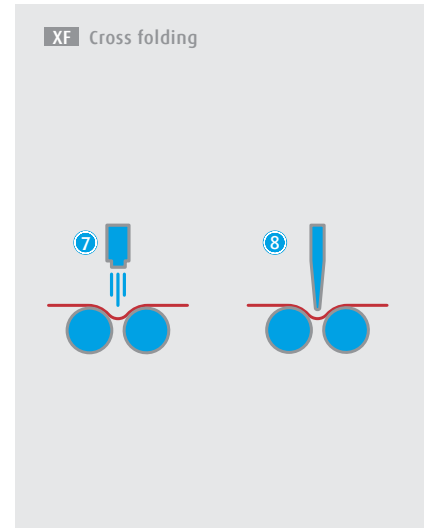
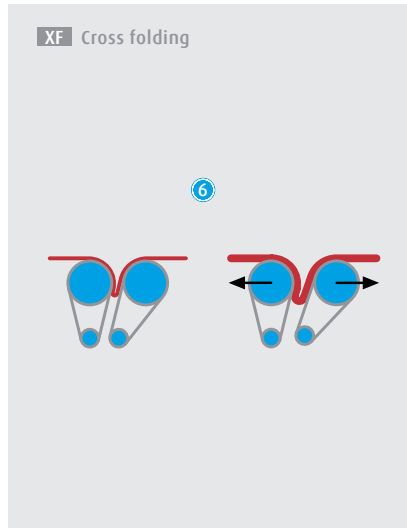
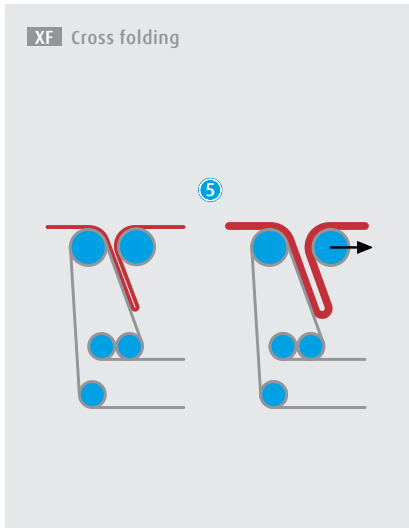
The lateral fold **(C)** is performed by sandwich conveyor belts and air blast. Thanks to the sandwich design, optimum friction and an excellent folding quality is ensured

### Bypass systems

Bypass at the first lateral fold is usually used for rejecting wax pieces, or in combination with the optional Jenselect system. The Jenselect system can automatically reject linen with defects through the stacker and drop stained pieces to the rear table.

It is also possible to bypass small pieces before the cross fold section, e.g. to a small-piece combination cross folder and stacker placed after the folder.

Optional quality control from automatic bypass of twisted, badly fed or oversized linen reduces jams by rejecting linen that wouldn't be properly folded. Other bypass systems are available according to lane division and options.



Possible cross fold patterns for standard and options 1 and 2

Possible cross fold patterns for option 3

## XF – Cross fold section

The JENSEN X5 and JENSEN XW5 standard is a simple and fast cross folder for 1-lane operation, giving 1, 2, or 3 cross folds as half folds. As an option, the folder can be supplied with 3 other cross fold configurations from the JENSEN Classic range.

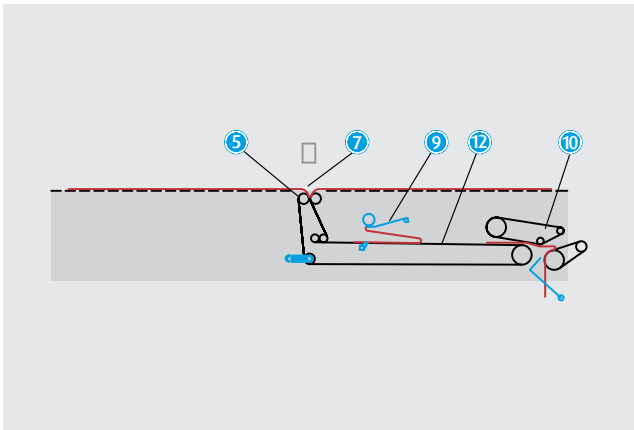
## Standard cross fold for light materials

5 The first cross fold is performed between pinch rollers. The distance between the rollers, and thus the roller pressure, is automatically adjusted by a mechanically spring-loaded roller. This ensures a good friction between the rollers and the linen. The belts of the outlet conveyor drive the rollers of the first cross fold, and guide the linen down onto the outlet conveyor. The standard cross fold section is for light material.

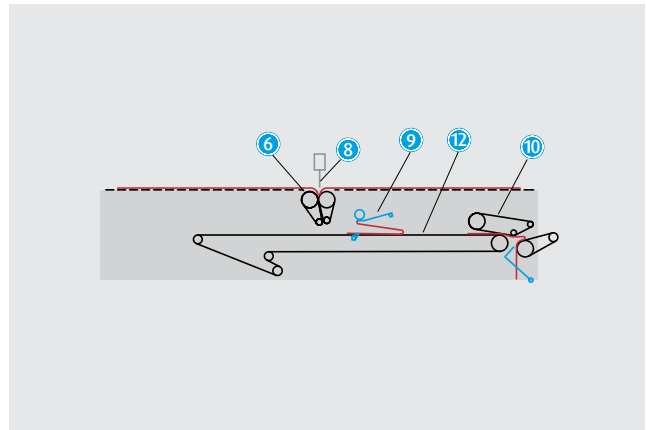
6 Optional large diameter rollers: the first cross fold can be supplied with individually driven large diameter rollers and sandwich belts. The belts guide the linen down and press the linen, ensuring exact fold and smoothing of the folded edges. The distance between the rollers, and thus the roller pressure, is automatically adjusted by means of air cylinders, ensuring optimum friction and flexibility regardless of linen types and thicknesses.

7 Air blast between pinch rollers at first cross fold is recommended for light linen.

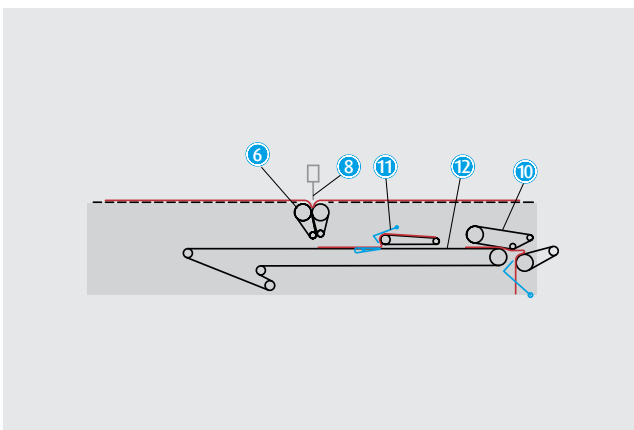
8 Knife between pinch rollers at first cross fold is recommended for heavy linen.



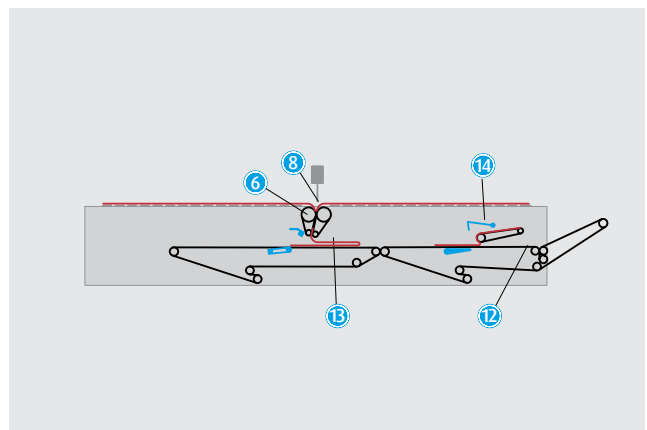
Standard configuration for light materials



Option 1: For light or heavy materials



Option 2: for light and heavy materials in mixed production



Option 3: For optimum folding performance of light to very heavy materials in mixed production

⑨ Second cross fold performed by the simple and fast “Pick Up & Drop” fold. The third cross fold ⑩ is performed by the well-proven “EN” knife fold and is the standard solution for half folds with highest performance on lighter linen.

⑪ A reversing conveyor and knife at the second cross fold is recommended for high speed production of heavier linen.

⑫ Outlet conveyor

⑬ Second cross fold performed with reversing conveyor and air blast directly under the first cross fold. This is recommended for highest quality and reliability folding very heavy linen, table cloths and duvet covers.

⑭ A reversing conveyor and a knife at the third cross fold is recommended when highest folding quality is required for heavily starched linen, table linen, heavy duvet covers.

In case of a jam or emergency stop, or when opening the safety guards, the gap between the rollers at the first cross fold opens automatically, allowing the operator to easily remove the linen. The optional cross fold sections are recommended for heavy materials and for top-quality purposes.

## JENSEN Top Quality Finishing

Top-quality finishing requires top-quality feeding, top-quality ironing, as well as top-quality folding and stacking. JENSEN has grown from being the leading supplier of finishing technology to be the preferred supplier of turn-key solutions. With a record sale of more than 10 000 folders and stackers to the laundry industry all over the world, JENSEN has the experience and know-how to guarantee trouble-free finishing of all kinds of flatwork



## Stackers: JENSEN S5, JENSEN SW5, JENSEN Twin

### High capacity and high stacking quality with the JENSEN S5

The JENSEN S5 is a simple and reliable drop stacker, which over the years has proven its reliability in thousands of installations all over the world. The JENSEN S5 is controlled by the folder's program. When adding the JENSEN S5 to the JENSEN X5, a high and uniform stacking quality is guaranteed.

#### JENSEN S5

- Max. stacking size: 830 x 600 mm (33" x 24") (width \* length)
- Max. stacking height 350 mm (14")

#### JENSEN SW5

- Max. stacking size: 1030 x 600 mm (41" x 24")(width \* length)
- Max. stacking height 350 mm (14")

#### JENSEN S5/SW5 Twin (two stackers in one chassis for sorting)

- Two stackers are available in S5 or SW5 stacking sizes

#### Application

The ideal solution for efficient, highspeed stacking of folded linen. When using several JENSEN S5 operating in series, linen can be sorted and stacked according to predetermined categories controlled by the folder.

#### Operation

The folded linen arrives from the cross folder and stops on top of two flaps which open rapidly dropping the linen onto the stack. When the pre-selected number has been reached, the stack is ejected to a delivery conveyor.

#### Features

The delivery conveyor is supplied with a drum motor giving a smoother and steadier transport of the stacks. The inlet on the JENSEN S5 is spring mounted in order to secure a uniform and good stacking quality of thick as well as thin linen. Interlock safety guards for service or maintenance.



Toothed belt drives in the lateral fold section for high precision at high operating speeds

#### HMI PLC and control system with touch-screen

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

- Production per lane
- Drop and sorting (repair / rewash)

##### Customer / Article (set by flag) can further differentiate:

- Per day / customer / article / batch
- In total for each

#### Features and options

- HMI PLC control and operating panel with touch screen and digital counters;
- Visual LED indicators for control in PLC rack;
- Two air pressures on lateral fold B and/or C (option);
- Automatic bypass of twisted and badly fed linen to rear table;
- Jam alarm in lateral fold section for small pieces;
- Jam alarm in lateral fold and cross fold section for large pieces;
- Automatic two or three cross folds;
- Toothed belt drive for all rollers;
- Draping stacker for small pieces placed in rear table (option);
- Jenselect system to automatically reject defected linen;
- Automatic tensioning of belts in the cross-fold section.



The JENSEN X5 and JENSEN XW5 are part of a full range of JENSEN's flatwork solutions that can meet a wide range of laundry solutions, including everything from a simple ironer with manual feeding and stacking to a fully automatic high-speed production with remote feeding on a rail system, feeder, ironer, folder, as well as automatic stacking and dispatch.

### 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 Centers and distributors, all with their own maintenance and spare parts services.

### Call us...

JENSEN provides a complete range of heavyduty 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

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