

Reliable combination folder

# ALPHA X3 and ALPHA XW3

Versatile, reliable and space saving  
folder with integrated stacker



## Summary

The **ALPHA X3** and **ALPHA XW3** are a line of compact folders designed for the extremely reliable folding performance, even in mixed production. It can handle all kinds of flatwork from sheets and duvets to table linen and small piece items, and can operate in 1 lane for large pieces and 2 or 4 lanes for small pieces. All lateral folds are performed by air blast, and all cross folds are performed by knife and reverse conveyor for reliable and high quality folding performance. The stacker has been integrated into the crossfold section of the machine, reducing the equipment's footprint. Additionally, it can be combined with small piece folders and/or additional external stackers to make a multi-purpose ironer line. The result is a very versatile and reliable folder that offers excellent value for money.

The ALPHA XW3 has the additional advantage of a 1 meter (39") wide cross fold opening – compared to the ALPHA X3's 800 mm (31") cross fold opening. This allows the ALPHA XW3 to handle exceptionally long sheets.

## Highlights

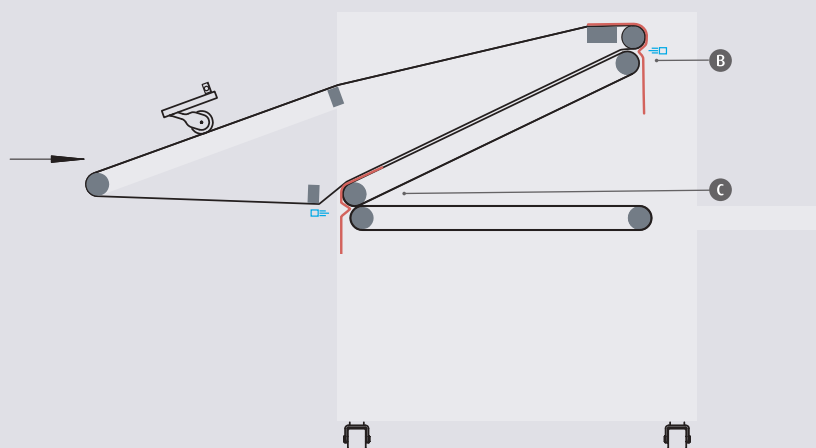
- Two lateral folds (third, optional)
- Operating speed over 48 m/min (57 ft/min) that automatically adjusts to ironer speed (option) Inverter allows for speed adjustments of up to 58 m/min (190 ft/min)
- Excellent folding marks and linen support for high folding quality in mixed production of light and heavy linen
- Toothed belt drive for improved folding speed and accuracy and easier maintenance.
- Working widths: 3000, 3300 and 3500 mm (118", 130", 138")
- ALPHA X3 Max. cross fold width 800 mm (31")
- ALPHA XW3 Max. cross fold width 1000mm (39")
- Option: detect and bypass misshaped sheets before cross fold
- Option: anti-static bar

## Space saving compact stacker

- Max. stacking size: 830 \* 600 mm (width \* length)
- Max. stacking height 350 mm

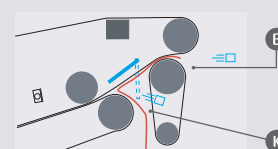
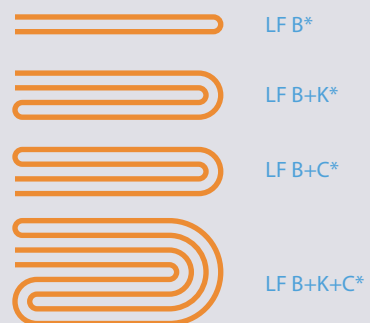
## Incoming

The incoming bridge is equipped with a measuring wheel and photocell to measure the exact length of the linen as it enters the feeder to guarantee folding accuracy.



Standard configuration

## Possible lateral folds



Close up of optional 3rd lateral fold

### LF – Lateral Fold section

The ALPHA X3 / XW3 provides one to two lateral folds as well as optional bypass. The option for a third lateral fold is available.

The first lateral fold 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 and efficient folding of light or heavy linen. This technique has proven to be simple and reliable, providing a high finishing quality as the linen is naturally stretched by gravity.

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

The optional lateral fold can be added after the B fold, resulting in 3 potential lateral folds. It is performed by air blast between sandwich conveyor belts.

### Bypass systems

Two bypass systems in the lateral fold section allow you to perform bypass drop of large pieces to the rear table, or to bypass small pieces before the cross fold section.

### XF – Cross fold section

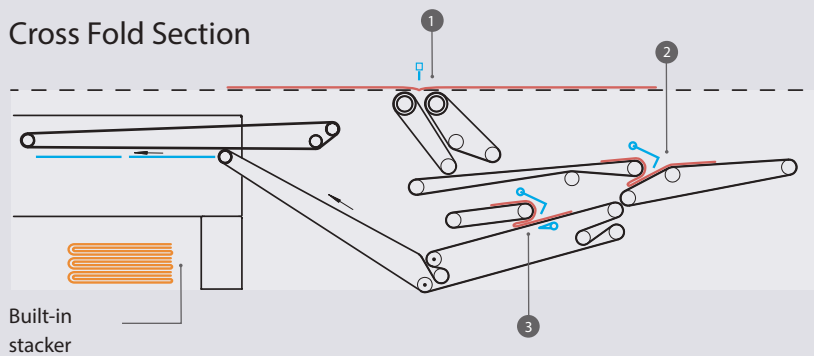
The ALPHA X3 / XW3 has a highly reliable cross fold design for simple and reliable 1-lane operation, performing 1, 2, or 3 cross folds as half folds. All cross folds are performed by knife and reversing conveyors that provide perfect support on both sides of linen, and due to all belts operating on the same powerful motor, all belts run at the same speed to ensure perfect folding quality of both light and heavy items.

The first cross fold is performed by a knife between sandwich belts. The belts guide the linen down and gently press the linen, ensuring exact fold and smoothing of the folded edges on both light and heavier linen types<sup>1</sup>

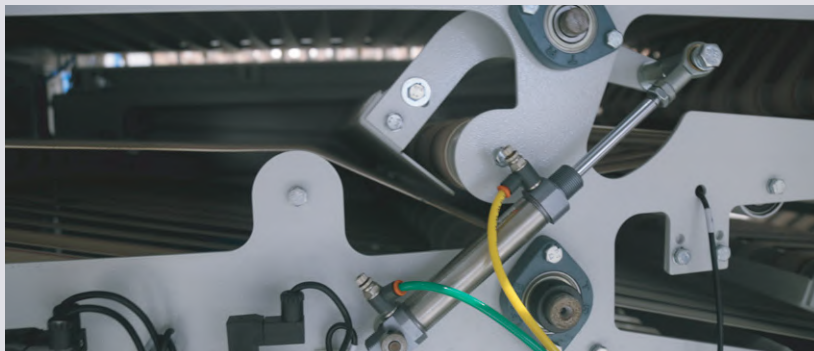
The second and third cross fold are performed by a reversing conveyor and a mechanical knife which provide constant support for the linen.<sup>2 3</sup>

The cross fold section operates on one motor with 4 easily accessible clutches. This eliminates the need for individual belt speed adjustments and ensures perfect support of the linen at all times.

### Cross Fold Section



### Possible cross folds



All cross folds are performed by mechanical knife and reversing conveyors for reliable operation of a wide variety of linen types.

### Space Saving Integrated Stacker

The crossfold section of the machine is equipped with an **integrated simple and reliable drop stacker, resulting in a smaller footprint for your flatwork.** It uses the same JENSEN **stacker technology and design that has proven reliability in thousands of installations all over the world.**

**The folded linen arrives from the cross fold section 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 stacker is spring mounted to secure a uniform and good stacking quality of thick as well as thin linen. Interlock safety guards for service or maintenance.**

### Application

The optimum solution for efficient, highspeed stacking of **folded linen.**

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

### Installation

JENSEN is pleased to assist you in **planning your laundry by providing excellent advice, layouts and technical data.** Authorized 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 **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](http://www.jensen-group.com)**

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