

Butterfly Classic

Fast, simple and reliable towel folder for fast installation, easy operation and low maintenance thanks to "iJOS" - the new benchmark in the laundry industry



Butterfly Classic The new kid on the block

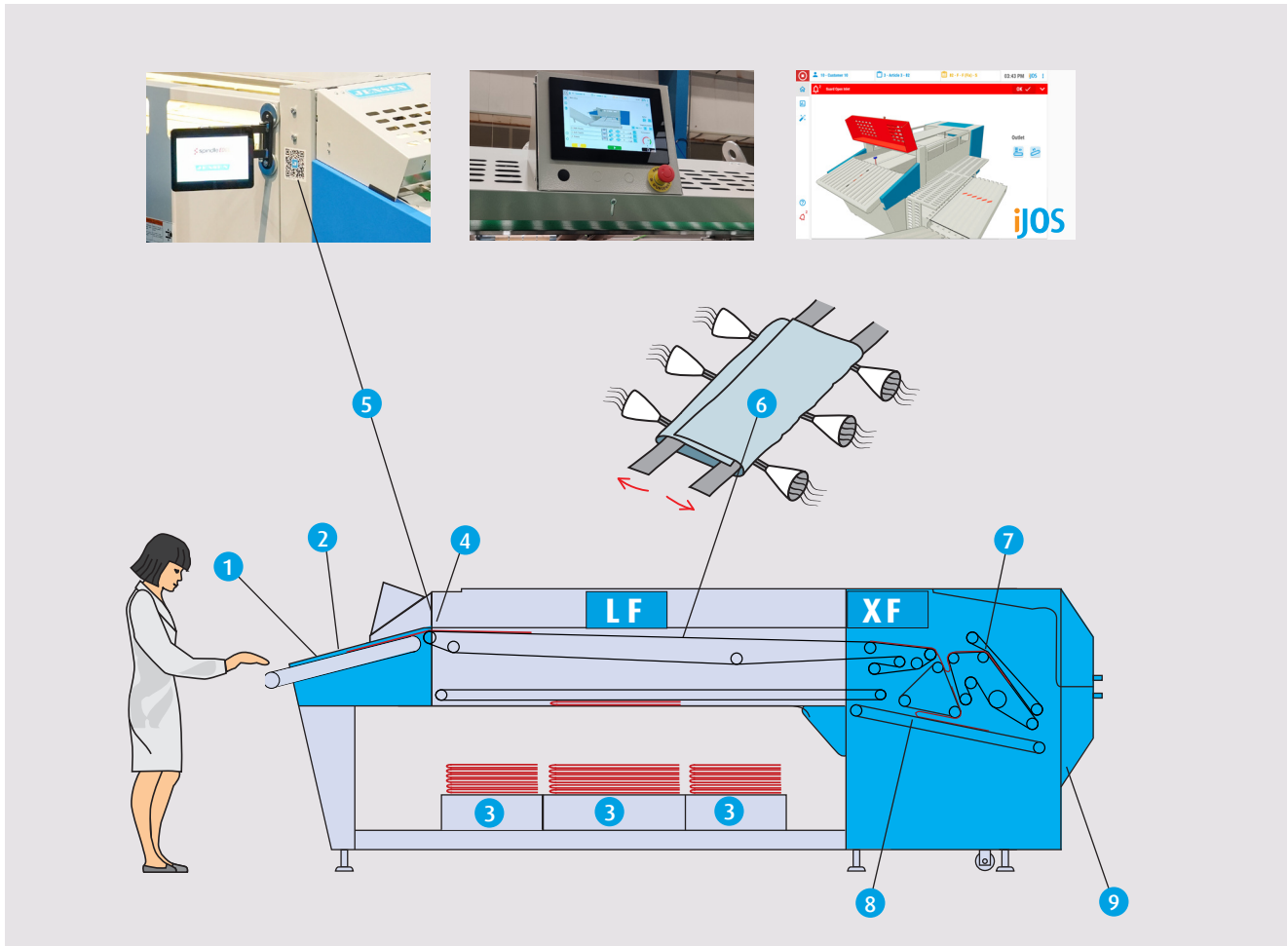
Building on the DNA of the renowned JENSEN towel folders, the new Butterfly Classic carries on a long tradition with experience from thousands of towel folders delivered worldwide. The experience and know-how from the vast number of towel folders combined with the new intuitive JENSEN Operating System "iJOS" guarantees easy operation and optimum production.



Best in class Fast, simple & reliable

Thanks to the new intuitive JENSEN Operating System "iJOS", the new Butterfly Classic is easy to install and operate as the machine is communicating via easy-to-understand icons and animations including the unique "Digital Twin".

During operation, the operator will benefit from the high and continuous production thanks to the simplified folding technique and iJOS setting a new benchmark in the laundry industry.



Optimum production

iJOS - The new intuitive JENSEN Operating System

Optimum production already starts at the installation and programming phase followed by easy operation and maintenance. This is where the new HMI **iJOS** makes a difference as it "talks to the operator" via easy understandable 3D icons and animations supporting the text messages. Thanks to **iJOS** combined with the new **QR** code assisting the operator and the laundry technician, the setup, operation, and maintenance are now easier than ever.

1 Fast feeding

The Butterfly folder is supplied with high friction belts at the feeding table ensuring optimum ergonomic working conditions leading to a high production. Thanks to the high friction, no vacuum suction below the belts is needed, reducing the energy consumption and service requirements.

2 Automatic sorting and stacking

Three photocells placed on the feeding table enable automatic setting of folding parameters followed by sorting and stacking onto pre-determined stackers **3** according to item width or feeding position. Bypass of up to 600 mm (23.6") wide pieces for cross folding or stacking only is possible.

Increased automation

4 Optimum PPOH by AutoSelect

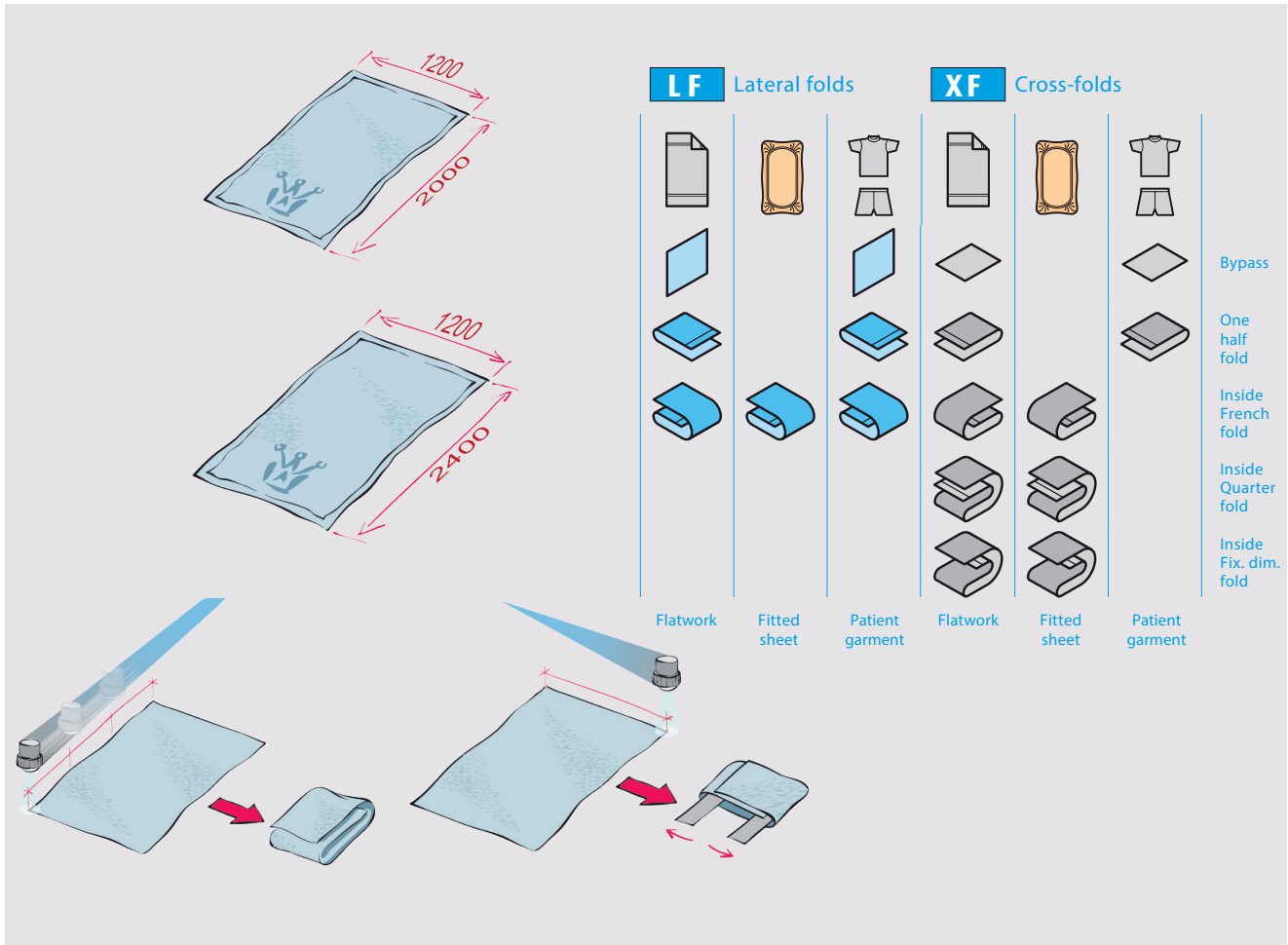
AutoSelect works by means of a photocell positioned between the inlet and the lateral folding section.

AutoSelect considerably increases the PPOH in mixed production, as the machine automatically measures the length of the item during feeding. Based on the length of the item, the machine automatically selects the right folding program and stacks the piece on a pre-determined stacker.

The Butterfly folder can fold towels with a minimum size of 400 x 400 mm (15.7" x 15.7") and a maximum width of 1200 mm (47"). The maximum towel length is 2000 mm (79") As an option, the Butterfly can handle towels with a length of up to 2400 mm (94").

5 The strongest QR code in the industry

The **QR code** allows the laundry technician to get access to the JENSEN portal 24/7/365 allowing quick lookup of machine status, history, and spare parts. If needed, an appointment with a JENSEN technician can be booked quickly and easily.



Top-quality folding

6 Fast and simple folding by air blast

The lateral fold (LF) is performed by a fast and simple air blast folding the towel across an adjustable metal template. The folding template and the air blast pressure are automatically adjusted according to the program for the specific type of fabric ensuring optimum folding quality for thick and thin material.

7 DeltaFlex - the new flexible cross fold section

The first cross fold (XF) in the DeltaFlex cross fold section is performed by reversing conveyors and air blast. A reversing conveyor supplied with a sandwich conveyor positioned after the 1st cross fold opening ensures optimum grip and full control of the item, resulting in an exact fold. Thanks to the use of wide flexible belts, the space between the belts automatically adapts to the thickness of the item reducing the risk of a jam.

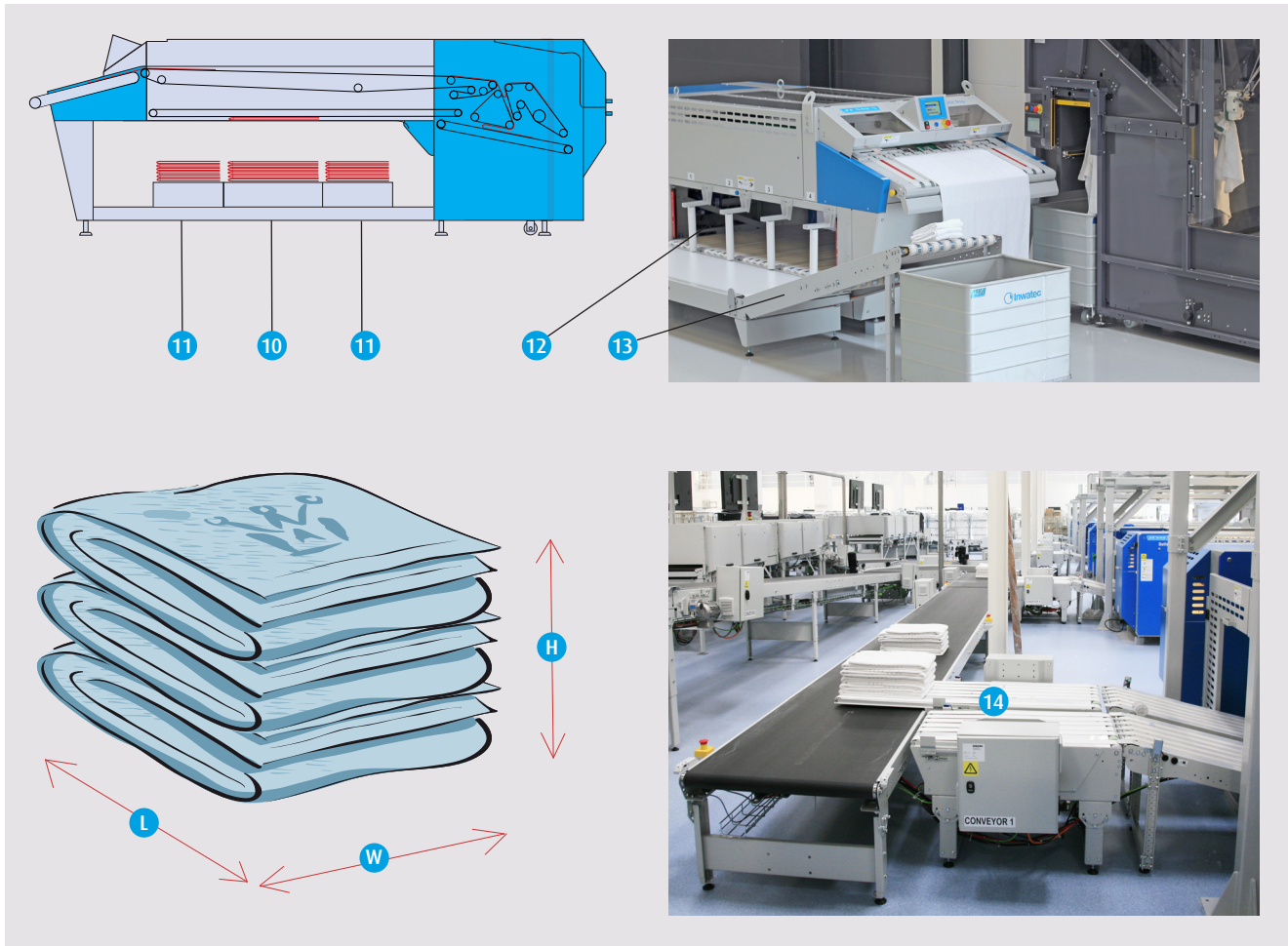
Full control

8 Versatile cross folding by the Delta conveyor

The second cross fold is performed by reversing conveyors and a Delta conveyor. Thanks to this combination, the item is pressed between the belts ensuring optimum friction and control of the item during folding. Depending on the folding combination, the machine performs one or two cross folds as half folds or one fold as a French fold.

9 Reject possible

If pressing the reject button at the feeding table, the piece will be rejected after the lateral folding section eliminating the risk of a jam in the cross fold section.



Stacking solutions

10 11 Stacking section

The stacking section provides up to four stackers positioned side-by-side with a length **L** of 470 mm (18.5"). The most popular model comprises two roll-off stackers **11** with a length of 470 mm (18.5") and a stacker **14** with a length of 670 mm (26.3") positioned in the middle. Coupling of stackers is possible allowing larger pieces to be stacked.

Up to 4 stackers possible

Each stacker is designed for a stacking size of: L. 470 × W. 475 × H. 300 mm (L. 18.5" × W. 18.7" × H. 11.8"). Up to four stackers is possible depending on the size of the stacks, with the possibility to couple stackers if stacking longer items is required. Optional larger stacking is possible allowing to increase the length and width of the stacked items by 200 mm (7.8"), and the stacking height by 100 mm (3.9").

Delivery solution

12 Simplified reject conveyor

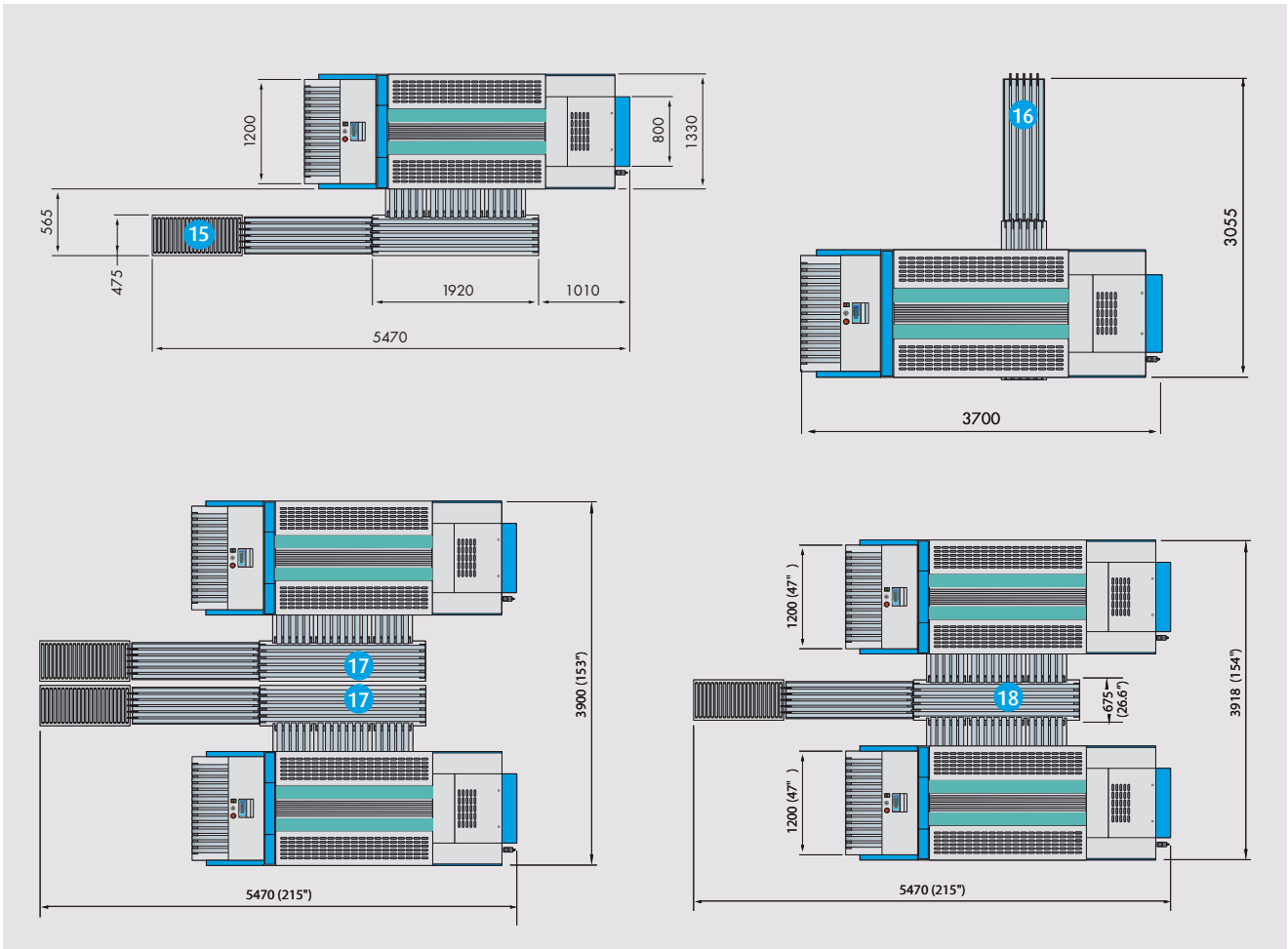
The majority of Butterfly folders are supplied with roll-off conveyors positioned after the stacker, delivering the stack without turning it during eject from the stacking section. The folder is also available with a simplified reject conveyor with turning posts at the exit turning the stack during eject from the stacking section.

13 Return to operator

Return to the operator delivers the stack to an inclined conveyor positioned at the side of the machine.

14 Delivery to a JENSEN Jenway system

The inclined transport conveyor can be connected to a Jenway conveyor system via an optional roll-off table enabling automatic transportation of the stack to a central delivery point.



High capacity

Faster than an operator

The Butterfly folder ensures the optimum stacking quality thanks to the roll-off conveyors delivering the stacks gently onto the delivery conveyor. In this configuration, the Butterfly folder has a cycle time of 2.25 seconds allowing a theoretical maximum capacity of up to 1600 pcs/hr. without sorting, and up to 1200 pcs/hr. when sorting three mixed sizes of towels on three stackers by use of the AutoSelect program.

Layout examples

15 Outlet with return to operator

The stack will stop on the delivery conveyor or on an optional roller conveyor positioned close to the operator.

16 Outlet to an incline conveyor

This solution eliminates the need for a Roll-Off conveyor as the stack will be dropped directly onto the delivery conveyor.

17 Twin solution

The Twin solution comprises two separate Butterfly folders equipped with their own delivery conveyors placed in a mirror configuration to save space. Thanks to the two individual machines, this solution is faster and cheaper than the Master/Slave solution.

18 Master/Slave solution

The Master/Slave solution comprises two Butterfly folders sharing one delivery conveyor to save space.



23 iJOS - the new intuitive JENSEN Operating System

iJOS features a fast and accurate processor, an easy-to-use human-machine interface with icon-driven navigation, multi-language facilities and an option for remote system service.

- Icon-driven navigation with consistent visual language.
- Easy installation and task selection of towel type, fold type, sorting and stacker number via tappable modules and pictograms.
- Easy configuring of towel folding and sorting by selecting intuitive icons, ideal for operators with minimal training as the system guides the user.

Optimized production by the Thor separator 20

To optimize the utilization of the Butterfly folder, the “THOR” separator has been developed. The THOR separator continuously supplies towels at an ergonomic height, significantly increasing operator productivity.

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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