



OBIFOLD premium FOLDING MACHINE

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The **OBIFOLD premium** folder is able to sort and fold all kinds of towels, fitted sheets, garments (T-shirts, nightgowns, uniforms, hospital clothing, etc.) and all other dried pieces up to a length of 2300mm.

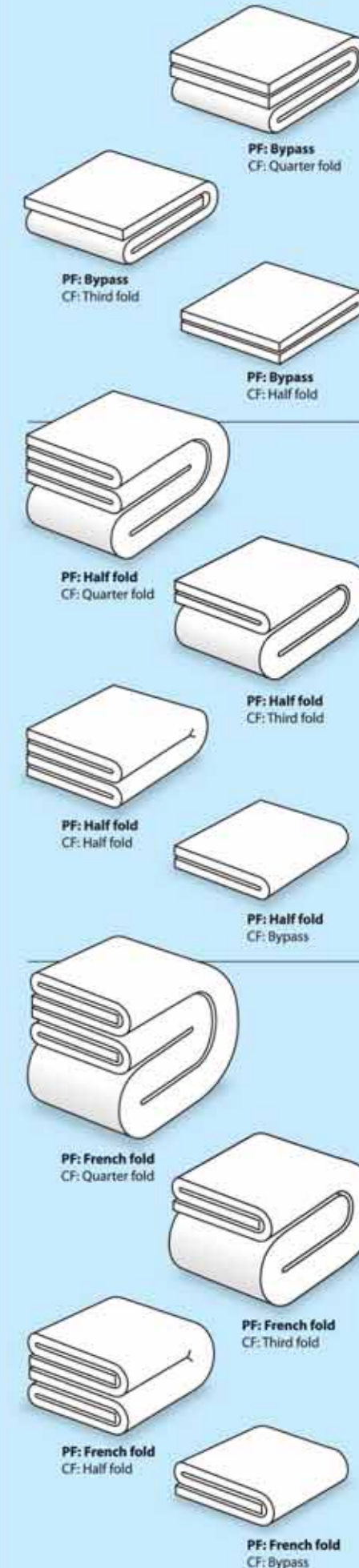
The **OBIFOLD premium** sorts automatically the various pieces, consequently pre-sorting is not required. The individual pieces are sorted based on piece length/width measurement.

Once the pieces are folded, they are directed towards dedicated stacker station. As soon as the required stack height is achieved, the pile is put on the final delivery belt. This belt can be located on the left or right side and delivering the piles either to front or the rear of the machine.

As the **OBIFOLD premium** is able to make up to 4 folds, many different folding patterns are possible.



FOLDING PATTERNS



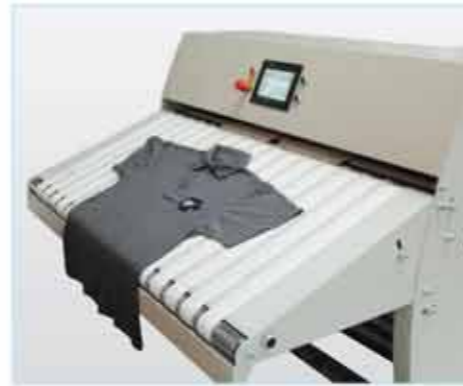
OBIFOLD premium WHAT KIND OF PIECES CAN BE FOLDED ?



Pieces are put on the intake conveyor belt. This conveyor belt starts running once the piece is detected or starts running after manual activation.



The **OBIFOLD premium** is provided with a special feature to fold pieces like fitted sheets. Piece runs inside machine and makes an automatic stop for correcting the tail end of the piece. This feature makes it also easier to fold long (pool) towels with a company logo facing upwards and centered nicely in the middle.



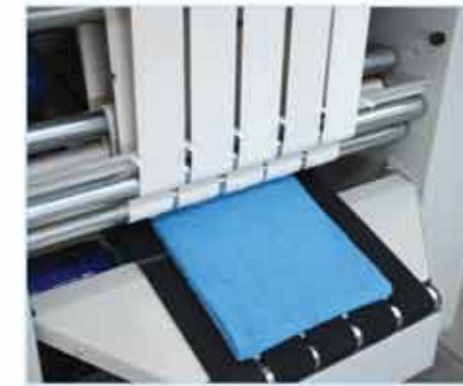
The **OBIFOLD premium** is also able to fold all kinds of garments, like T-shirts, undershirts, trousers, nightgowns and hospital clothing pieces as well as airline blankets, etc.

OBIFOLD premium HOW ARE THE FOLDS MADE ?



The primary fold(s) are carried out by a pulsed air flow. Before piece enters the primary fold, the length/width is measured and piece is recognized. The folding templates are automatically adjusted and piece is folded. Due to air spray nozzles, high quality folds are ensured.

The long primary fold is able to fold pieces up to 2300mm.



The **OBIFOLD premium** is equipped with two cross folds. Each cross fold is made by reversing belts in combination with an air pulse. As pieces are continuously kept between two sets of belts, cross folds are straight and accurate. These belts are also pressing the piece, ensuring a tight folded piece.

The rigid structure with durable materials, ensure a long lasting stable folding quality.

OBIFOLD premium TYPICAL CHARACTERISTICS



After finishing the folding process, pieces are stacked on dedicated stacker station. The **OBIFOLD premium** is standard provided with 3 stacker stations, however 4 stacker stations are possible as well.



Once the preset stack height is reached the pile is put on the final delivery belt. The telescopic system ensures smooth and perfectly straight transfer onto the final delivery belt.

In case two folders are put next to each other, each can have its own final delivery belt. Alternatively, both machines can be interconnected in master/slave configuration.



Piles from both machines are put on one final delivery belt, allowing automatic direction of all piles towards central conveyor belt of packing/wrapping machine.

Regardless the fact that the **OBIFOLD premium** is able to fold pieces up to 2300mm, the total machine length is comparable to competitive machines, which are often limited till maximum piece length of 1800mm.

OBIFOLD premium CONTROL SYSTEM



The **OBIFOLD premium** has a PLC based control system and colour touchscreen.

- Creating or changing a folding program is very simple, due to operator friendly layout and simple menu setting.
- Up to 50 different folding programs can be selected based on program name.
- Data can be backed-up via USB flash.
- System diagnosis for easy problem solving.



TECHNICAL SPECIFICATIONS

Maximum piece dimensions : 230 x 120 cm

Air pressure : 7 bar

Air consumption : 20 m³/hr

Air connection : ≥ Ø13mm

Power supply : 3 x 380V, 50Hz
(3 x 220V and 60Hz also possible)

Power consumption : 1.5 kWh

Length 4049 / 4750 mm
(excl./incl. final delivery belt)

Width 1396 / 1925 mm
(excl./incl. final delivery belt)

Height 1410 mm

Weight 1100 kg