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GIRBAU

LAUNDRY EQUIPMENT

FL SERIES
FOLDERS

Experience with innovation gives good results



GIRBAU FOLDERS, THE RESULT OF EXPERIENCE

FL SERIES



Girbau FL Series folders offer reliability, productivity and top finishing quality in folding. Whatever the type of laundry, Girbau has an FL Series folder adapted to your needs.



EVOLUTION ADAPTED TO THE MARKET

The market is constantly evolving with regards to the laundry that needs to be treated. The size of articles is increasing, and products like duvets or table runners are becoming increasingly popular.

The Girbau FL folder has managed to adapt to these developments, providing solutions that are straightforward and adapted to each particular case, be it King size or Queen size sheets, duvets or bedspreads.



CONTROLS

USABILITY

The user interface has evolved. FL folders are fitted with a touch screen with a system of graphical menus that provides the maximum understanding and control of the machine for people of different languages and cultures, or those with disabilities.

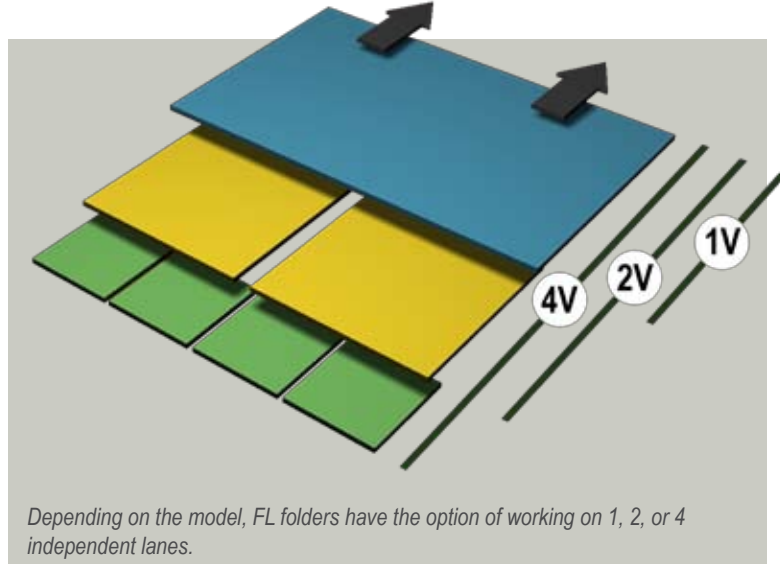
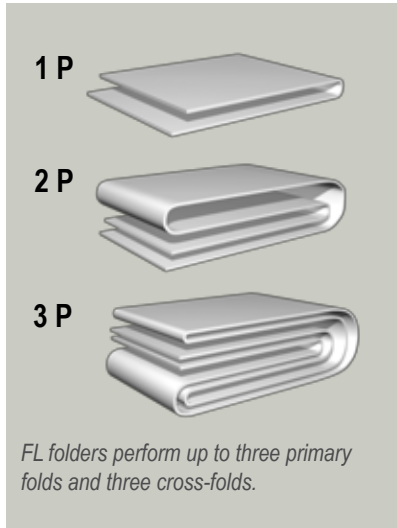
ADVANCED CONTROL

Users now have a greater control over the folder:

- 20 programs available
- Various counters: per item/program, total items, operating time.
- Communication with feeders and/or flatwork ironers (depending on models)
- Modem link for tele-maintenance (optional)
- Fault histories

VERSATILITY

The folding options and the number of lanes can be adjusted to match production requirements.



ADAPTABLE TO ALL IRONERS

The laundry feeding belt has a multi-position design which allows it to be adapted to ALL the ironers on the market, whatever the manufacturer or the diameter of the roller.

Thanks to its compact design, it can be installed in 3 m (118in), 3.3 m (130in) and 3.5 m (138in) flatwork ironers.

FL folders can be coupled to both a rotary stacker and a flap stacker.

PRODUCTIVITY

The design of the primary fold and the cutting-edge speed control with inverter allow the compact FL SERIES folder to automatically adjust to the requirements of the flatwork ironers up to 50 m/min (164 ft/min).





TECHNOLOGY

EFFECTIVENESS AND SIMPLICITY

On emerging from the flatwork ironers, the articles arrive on bands sustained by support plates that ensure the laundry is perfectly flat. The band circuit has been specially designed to hold the article throughout the primary folding phase, ensuring precision and regularity right to the last fold

“LONG LIFE” DISTRIBUTING VALVES

The air blast comes from a series of electromechanical “sliding” distributors, which are much more reliable and quicker than traditional ones, and with an estimated life 10 times higher (70 million cycles). In addition they ensure uniformity and quality of folding, and a significantly reduced consumption of air and electricity.

PRIMARY FOLDING WITH “SUPPORT” SYSTEM

The folder incorporates a simple system that supports the laundry as it is being folded. This succeeds in reducing the movement of the article and considerably increases the quality of the folding.

MAINTENANCE-FREE TRANSMISSION

The toothed belt transmission reduces the folder’s noise levels and eliminates the lubrication required by chain-driven transmission, thereby simplifying maintenance.

SELF-CLEANING REFLECTORS

The photocell reflectors are arranged in such a way that the laundry itself cleans the reflector as it goes past, thereby preventing defects, quality loss, blockages and maintenance.

FIRST CROSS-FOLD, ADAPTABLE TO LAUNDRY THICKNESS

The first cross-fold has a retractable pneumatic roller that allows the opening distance to be adjusted depending on the thickness of the article. This is specially useful in the case of thick articles such as duvets, bedspreads or even large-size sheets. The two motor-driven rollers ensure folding quality.

OVERSIZED “CROSS” PASSING WIDTH

The FL folder comes equipped with a useful width of 900mm, for the passage of larger pieces and/or with fewer folds.

ERGONOMICS AND SAFETY

The FL folder has been designed with the safety of its users in mind. It complies strictly with all safety regulations and directives. In addition, access to adjustments and maintenance of the machine has been simplified as much as possible.



FZ KING



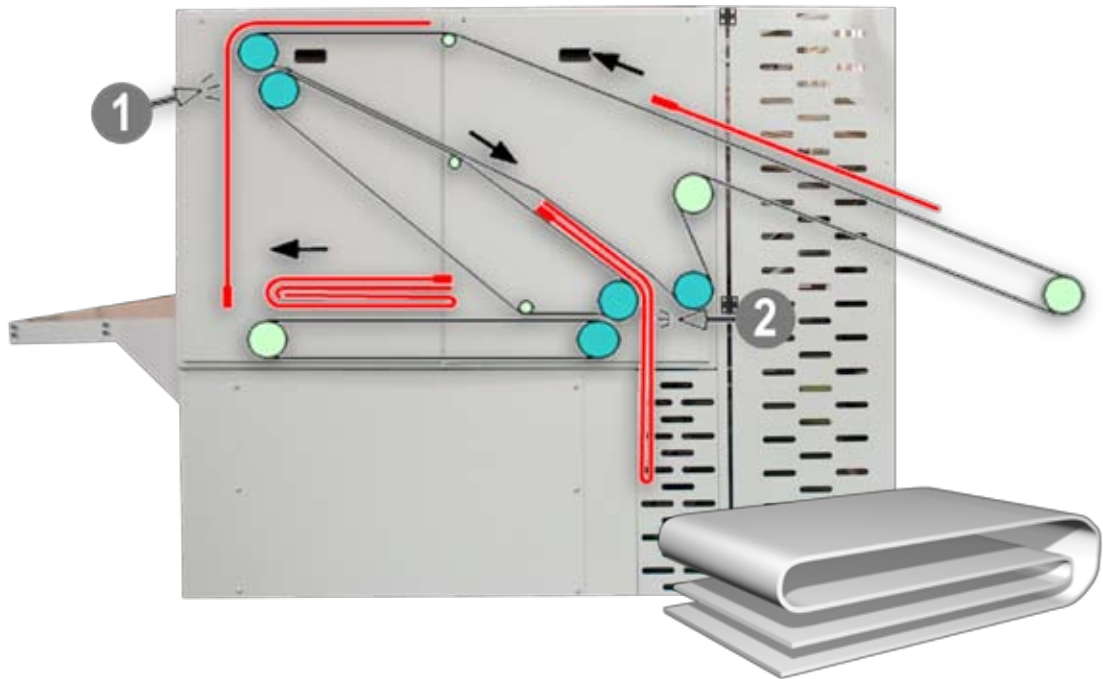
FL SERIES: A SOLUTION FOR EVERY REQUIREMENT

GIRBAU has created a range of folders that are configurable and customisable to the requirements of each customer. The FL SERIES allows you to define the folder you need for your laundry in 4 steps.

STEP 1: PRIMARY FOLDING OPTION SMART

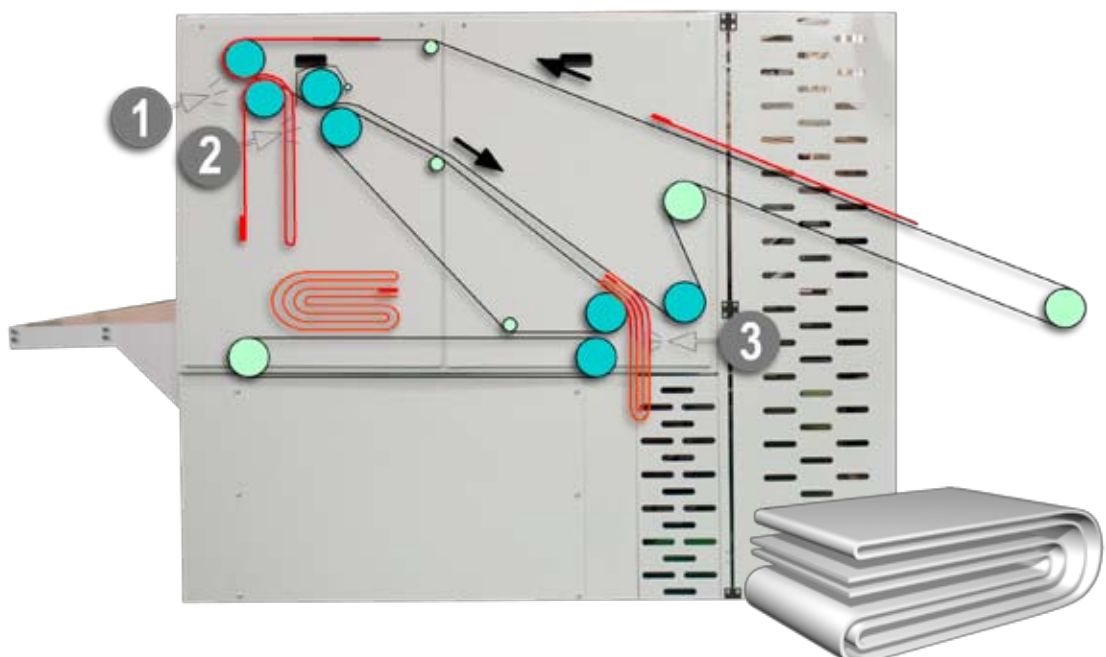
SMART

Two primary folds. The straightforward and reliable folding method, adapted to the majority of needs. Cost effective and economical. Suitable for laundry up to 3.6m long (folded size 900mm). Performs one or two primary folds, on 1, 2 or 4 lanes (depending on input lanes option).



KING

Folding large-sized articles requires a third primary fold. Performs one, two or three primary folds, on 1, 2 or 4 lanes (depending on input lanes option).



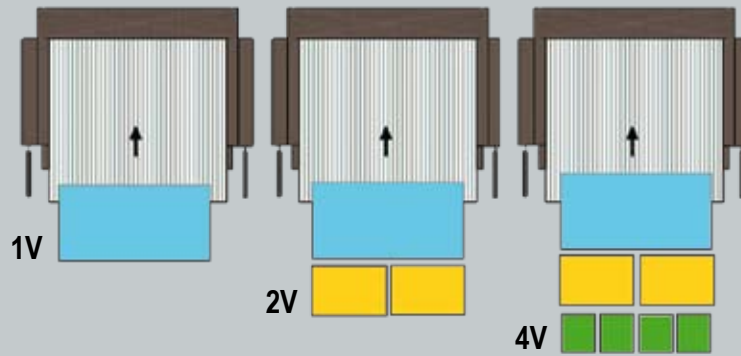
STEP 2: INPUT LANES

1 lane: Bed linen and large-sized articles.

1 or 2 lanes: Bed linen and table linen.

1, 2 or 4 lanes: Bed linen, table linen and small articles such as napkins, pillow cases or bibs.

The small piece accumulator on 4 lanes is always compatible and independent from the input lanes.

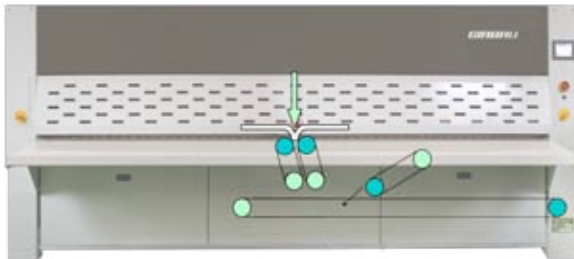


STEP 3: CROSS-FOLDING OPTION

UX

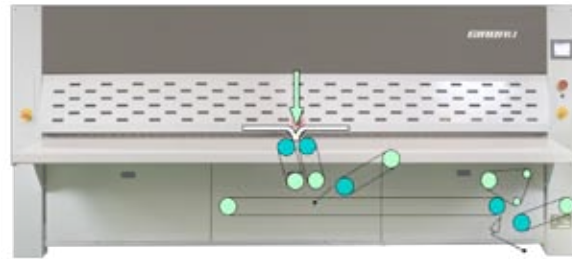
This option performs the cross-folding or secondary folding on a single lane or when the insertion of articles on 2 lanes is not expected to be significant (less than 20% of total production).

UX 2P



Performs two cross-folds. The simplest option, for working with the rotary stacker.

UX 3P

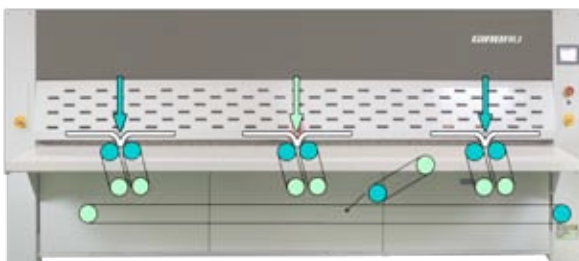


The same configuration as the UX 2P but with a 3rd fold in the folder. The right option for working with a flap stacker.

MX

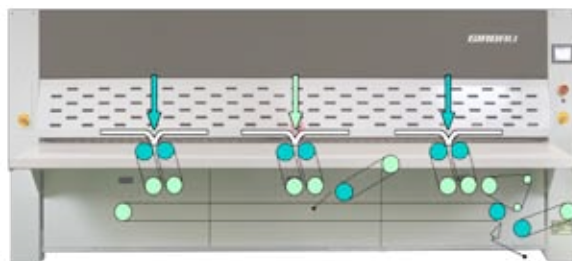
This option performs the automatic cross-folding on 1 lane or 2 lanes automatically. It is recommended for applications where the 2 lane work is important (greater than 20% of total production).

MX 2P



2 cross-folds working on 1 lane, 1 cross-fold working on 2 lanes. The last fold should be performed on the rotary stacker.

MX 3P



The same configuration as the MX 2P option, but with a 3rd fold integrated in the folder that works as second fold when operating on 2 lanes. The right option for the flap stacker.

STEP 4: STACKING



ROT

A highly versatile and economical stacker. Performs the last cross-fold.
Simplifies and economises the folding mechanism.
In addition, the stacker's configuration ensures that the finish of the stack is of an exceptional quality.
The exclusive clamp design returns to its position without touching the positioned laundry.



ROT-2

Double rotary stacker at the folder output. Identical characteristics as the ROT stacker, with double stacking that automatically selects the articles according to their size.



VOL

Performs the stacking with an effective system of flaps, with an upper belt which provides a great stacking quality.



VOL-2

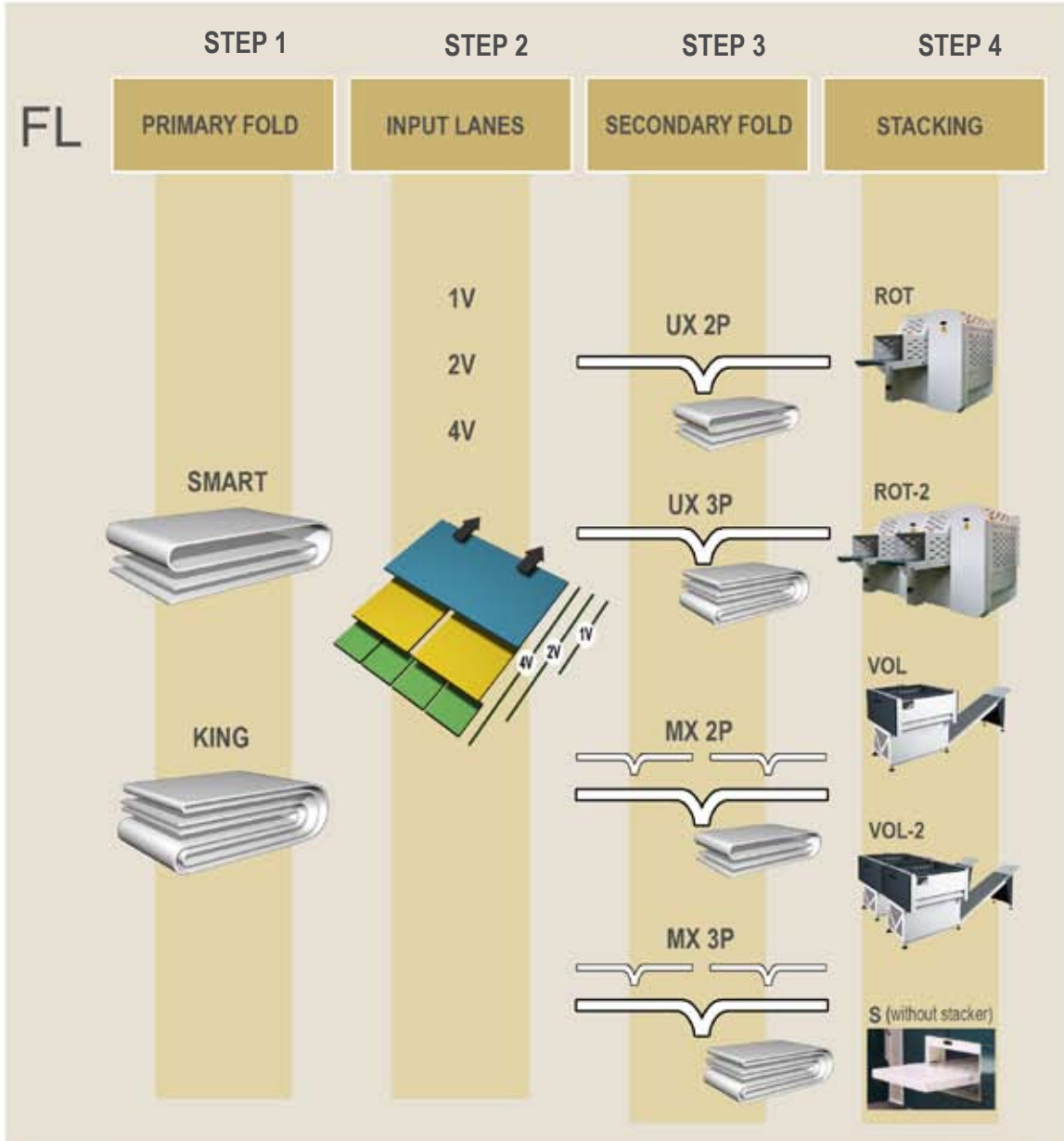
Double flap stacker. With identical characteristics to the VOL model, but with double stacking that allows articles to be selected automatically according to their size.



S (without stacker)

It is always a valid option to work without a stacker.
In this case, a folder can be selected with a side output table, and the stacking performed manually.

CONFIGURE YOUR FL SERIES IN 4 STEPS



ACCESSORIES

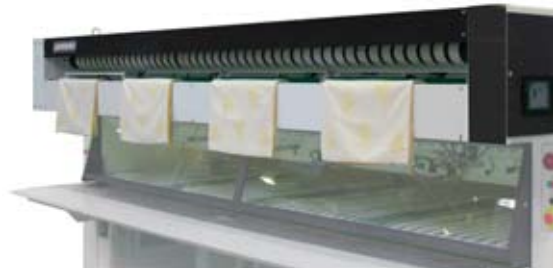
Girbau has selected a full range of accessories for its folder, designed to meet all your needs.

SMALL PIECE ACCUMULATOR (4 lanes)

An accessory that is incorporated at the back of the folder. Designed to collect small articles like napkins, pillowcases or cloths.

Allows articles to be inserted on 4 lanes, regardless of the input lanes that the folder has.

When using this accessory, the folder does not perform any folds.



PROGRAM SELECTOR FROM FEEDING STATION

This allows the folding program to be selected from the feeding station without the need to move to the folder.



DIRTY OR TORN LAUNDRY SELECTOR (Bell and warning light)

This option activates a bell and a warning light in the folder, and at the same time ejects the torn or dirty article onto the table at the rear of the folder.

It requires the "program selector" option.



DIRTY OR TORN LAUNDRY SELECTOR (Classification hatch)

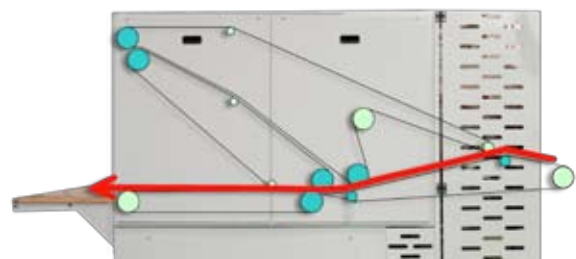
The folder has a part of the rear table hinged, to classify the rejected articles into two compartments, according to the type of rejection.

It requires the "program selector" option.



MECHANICAL BYPASS (2 lanes)

It is a 2-lane programmable bypass system that allows the direct passage of laundry from the input belts to the output table, avoiding any quality loss that could happen within the folder. A very useful option for round tablecloths.



DOUBLE ANTISTATIC BAR

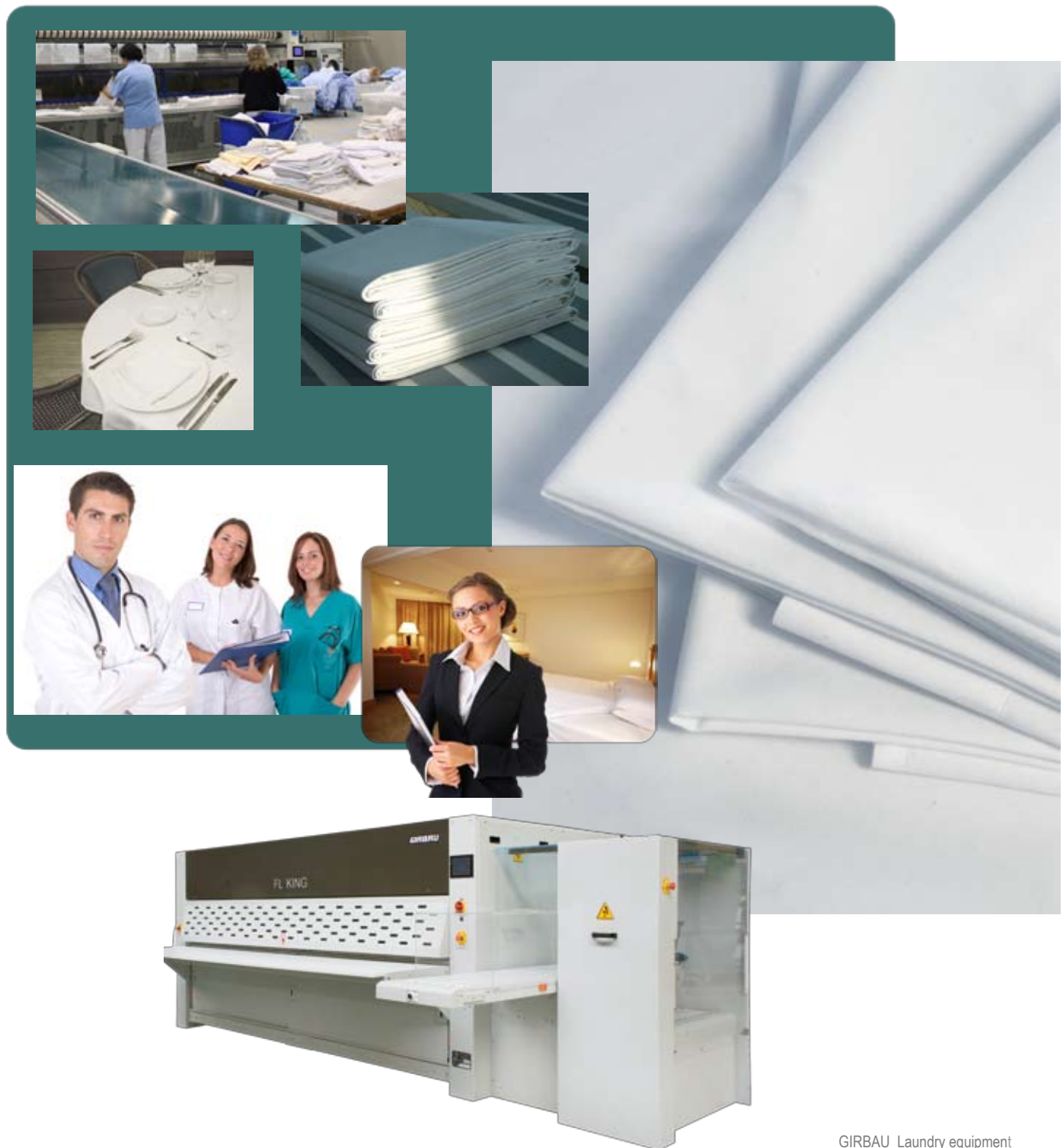
The ideal accessory for ensuring the proper operation of the folder in high static electricity conditions generated with synthetic materials with high fibre content or very dry environments.



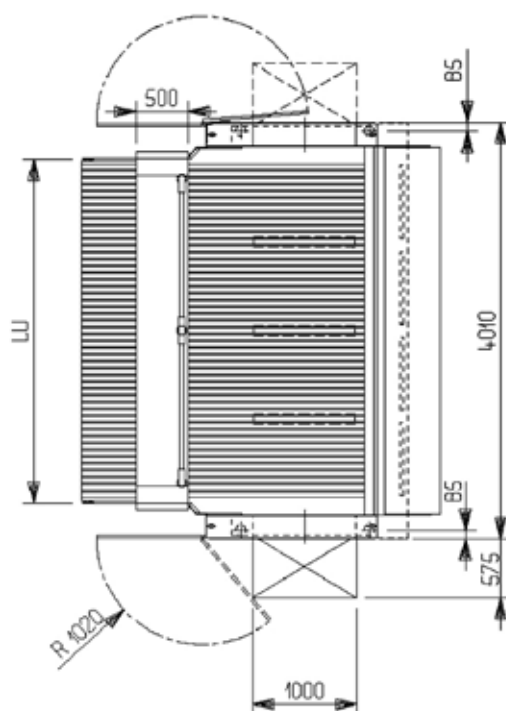
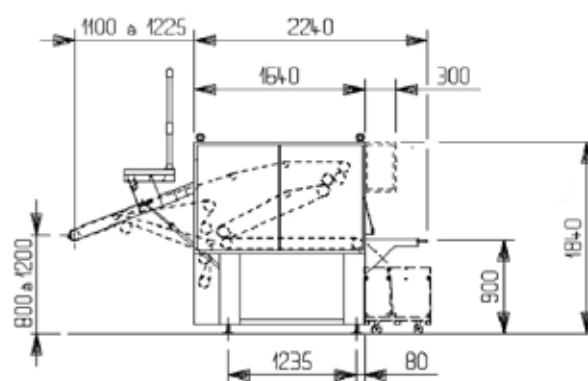
WE MANUFACTURE EQUIPMENT. WE PROVIDE SOLUTIONS.

Girbau provide complete systems for laundry processing. Hotels, hospitals, industrial laundries, cruises, ... wishing to offer their customers table linen, sheets, towels, napkins, with the better washing and ironing quality they deserve, while ensuring the profitability of the business. We are aware that the laundering service reflects the image of your establishment.

We look after your laundry, we look after your image.



TECHNICAL SPECIFICATIONS		FL Series
ELECTRICAL		
Installed power	4.5 kVA	
Supply section	3x2.5mm ²	
Voltage and base frequency	380-400 Volts / 50 Hertz	
COMPRESSED AIR		
Supply section	Ø 15x21	
Operating pressure	6 bars	
Consumption / hours per 100 articles	830NI/100p to 6 bars	
OTHERS		
Noise level	76 dbA	
Height	1920mm liftings rings (76 inch)	
Mass	2300 kg (1045 lbs)	
Weight/foot (pressure on the floor)	73 N/cm ² / 4 feet	
Useful width (Au)		
Lu = 3000 mm (118.1 inch)	4010 mm (158 inch)	
Lu = 3300 mm (129.9 inch)		
Lu = 3500 mm (137.8 inch)		
Operating temperature		
	5°C to 40°C	
Humidity		
	95% at 25°C without condensation	
Belt speed		
Primary	10 to 50m/min (0.4 to 2 in/min)	
Cross	65m/min (2.6 in/min)	



GIRBAU S.A. reserves the right to introduce modifications



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