



DR SERIES FEEDERS

FEEDING SOLUTIONS

DRF
DRBS
DRM+
DR1+



DR SERIES FEEDERS

FEEDING SOLUTIONS

DRF4
DRF3
DRF2



DRBS2
DRBS3



FEEDING QUALITY AND COST-EFFECTIVENESS

+ PRODUCTIVITY

The feeder's loading stations have an ergonomic design that can be adjusted to the height of each operator in order to provide maximum productivity with minimum effort. 300 items/hour can be achieved, depending on the article being fed in. With 3 positions, 900 items/hour can be achieved on one lane, and with 4 stations, up to 1200 items/ hour on one lane.

+ QUALITY

The items of linen are positioned at high speed on the conveyor with a margin of error of less than 1 mm. The vacuum power of the suction box and the various quality systems ensure perfect feeding.

SOLUTIONS TO EVOLVING MARKETS

Laundries are constantly adjusting the services they offer in line with market developments. Duvets, king-sized sheets, new items, the DR-Series range of feeders provide the answer to the different feeding requirements of each laundry, with the quality and productivity they need and with the safety their operators deserve.



DRM+



DR1+



THE IMPORTANCE OF PRECISION

Have you ever wondered how clients in a hotel, spa or healthcare would feel the feeding strength?

We can all imagine the clean-smelling sensation of freshly washed linen, of impeccably ironed sheets. Yet how do we feel the effects of feeding?

No doubt because the article feels gentle against our skin, without a single crease.

Feeding is a key part of the ironing process. We could have the best flatwork ironer and yet not deliver the best ironing if we disregard this process. The degree of precision with which each item's delicate nature is treated is undoubtedly associated with the way it is fed in.

GIRBAU



DRF

AUTOMATIC FRONT FEEDER



GUARANTEE, RELIABILITY AND ACCURACY

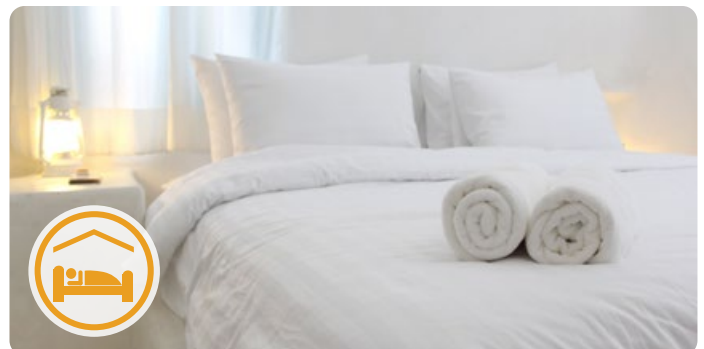
Laundry requirements are evolving along with the market. New fabrics and new sizes require feeding systems prepared to respond to changes. King or queen-sized sheets, duvets, quilts – there are no limits in terms of feeding.

RELIABILITY

All of the feeder's components have been tested individually. Once the components are certified, they are chosen to be part of the feeder, which has to undergo stringent laboratory tests. Reliability is a distinctive feature of these feeders.

COSTS

DRF can run without constructing a pit, if the items to be fed in do not exceed 2.5 m. This improves hygiene by preventing the linen from making contact with the floor and saves the costs of the building work in your laundry.





GIRBAU

TECHNOLOGY

TRANSFERRING CLAMPS: STRENGTH AND PRECISION

The tensioning clamps are independent from the transferring clamps, thereby allowing increased productivity. While one item is being transferred, the operator can be feeding in the next article. The transferring clamps hold the item of linen firmly. Even the thickest and heaviest items like duvets or King-size sheets remain taut in order to ensure they are fed in perfectly.



LOADING STATIONS: ERGONOMICS AND SAFETY

The **DRF** loading stations have been carefully studied to maximise operator comfort and productivity.

Their layout allows operators to have a clear view of the article being inserted, and thus be able to control its progress. In addition, the space between work stations is wide and allows room to position the laundry trolleys easily.

The clamp arms, with a system patented by Girbau, allow a rapid transferring of the linen and a return of the clamps, without interferences, thereby increasing productivity. The height of the clamps can be adjusted to adapt them to the height of the operator, and descend easily by simply pressing them.



THE TRANSFER BAR: GENTLE CONTROL

The transferring bar, fitted with a vacuum system throughout the width of the feeder, holds the article of linen by its longitudinal end. The item is positioned and kept parallel in an extremely gentle and precise way.



SUCTION FEEDING TABLE

The **DRF** vacuum table holds the item while it moves towards the ironer.

The belts are made from an exclusive material composed of silicones that provides an additional adhesion to the powerful suction of the table.

The belts are extremely hard-wearing, thereby reducing maintenance costs.



STRETCHING BOX

The bottom part of the feeding belt is a powerful suction box that draws down the underside of the articles being fed in.

The combination of this box together with a system of stretching brushes helps to keep the article taut and thus increases the quality of the feeding.

Its noise level is below the levels established by the most demanding regulations.

In automatic mode, at the bottom of the power supply unit, to remove items that fall to the bottom of the box, without halting production.



CONTROLS

The system of graphical control icons allows easy and intuitive configuration of the feeder.

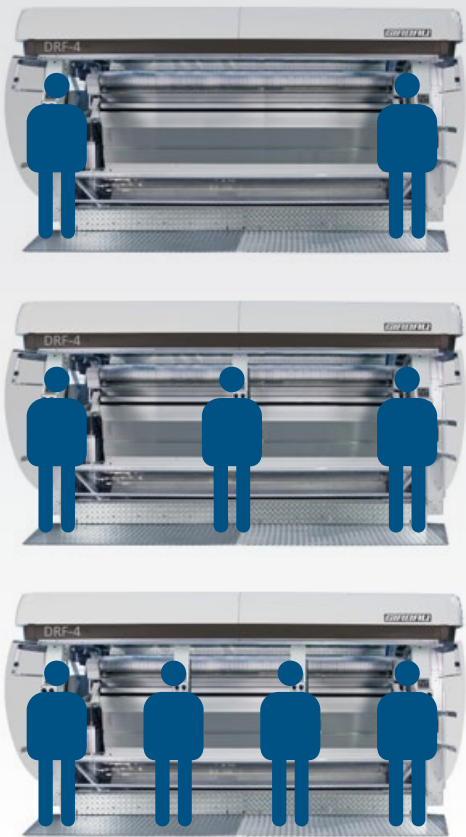
The icons are common to all Girbau machines, making the learning process easy to transfer from one machine to another.

The menu screens, arranged according to function, make it easy for the user to program all the possibilities for feeding the various laundry items.



LOADING STATIONS

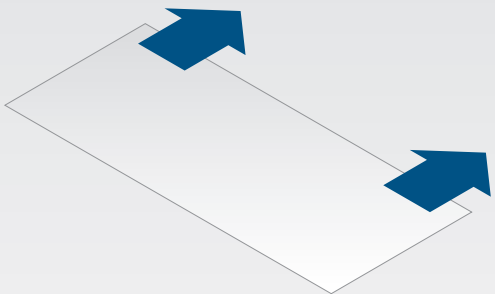
Define the number of stations planned for the feeder



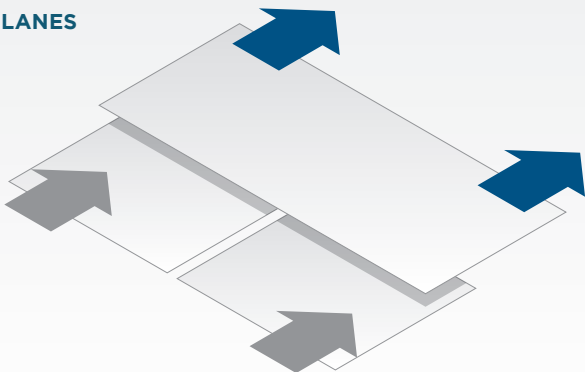
STEP 2 (AUTOMATIC LANES)

Decide whether to work with just 1 lane or with both 1 and 2 lanes equally

1 LANE



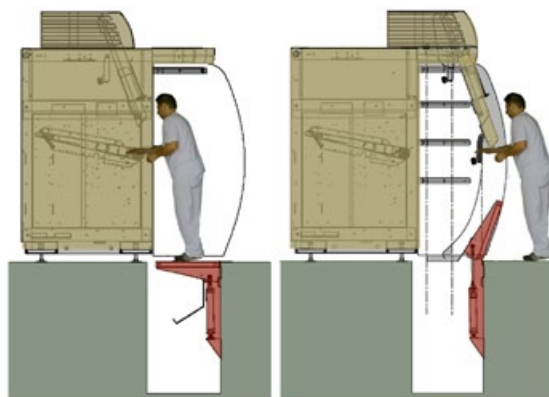
1 LANE
2 LANES



OPTIONS

HINGED PIT (FOS)

When the **DRF** offers the option of feeding small items, two different situations can arise: feeding in large items - requiring pit, or feeding in small items manually without the need for a pit. The hinged pit option automatically covers the pit when small items are being inserted. In this way, all the regulations regarding safety and ergonomics in the workplace are complied with.



HINGED TOP FOR FEEDING SMALL ITEMS (E1)

This option allows the feeder headstock to be moved with the automatic feeding stations. At the same time, the feeding conveyor descends to a height that is accessible for the operators. In this way up to 4 feeding lanes are available.



SECOND SERVER (SV2)

The feeder can be equipped with a second set of transfer clamps that move along the machine, collecting items from the loading positions, drawing them taut and passing them on to the transferring bar. This option is essential for productions exceeding 700 items/hour when the work is normally carried out on two lanes.



OPTIONS:

Production meter and internal lighting.

OPTIONS QUALITY IMPROVEMENT

SPREADING BRUSHES AND BELTS (AR1)

A highly recommended option for improving feeding quality even further. Crease removing belts located above the output conveyor, together with brushes arranged on one or two lanes, depending on the feeder chosen, correct any imperfections that may have occurred.

SPREADING BRUSHES, BELTS AND WEIGHT LIGHTENING FLAPS (AR2)

In addition to the aforementioned brushing and spreading system, this option includes a system for alleviating the weight of the laundry, which is very useful when feeding in large items such as duvet covers or king-sized sheets. The system lifts up the item with a patting movement on the bottom of the garment, easing the weight of the article, smoothing out creases and making it easier to feed.

QUALITY SYSTEM FOR TABLE LINEN (AR3)

In addition to the spreading brushes and belts and the weight-alleviating blades, this option incorporates a quality system for improving the feeding of table linen.



DRBS

AUTOMATIC FRONT FEEDER

DRBS2
DRBS3



The **DRBS** automatic front feeder makes it possible to feed in linen of different kinds and sizes on 1 or 2 lanes automatically, and up to 4 in manual feeding.

+ VERSATILITY

The design of the clamps and technology make it possible to feed in all types and sizes of linen. In addition, manual feeding can be performed with the standard machine.

+ RELIABILITY AND SAFETY

Each of the feeder's components has been tested individually. Once the components have been certified, they are chosen to form a part of the feeder, which must pass a series of tough laboratory tests. Reliability is a distinctive mark of these machines.

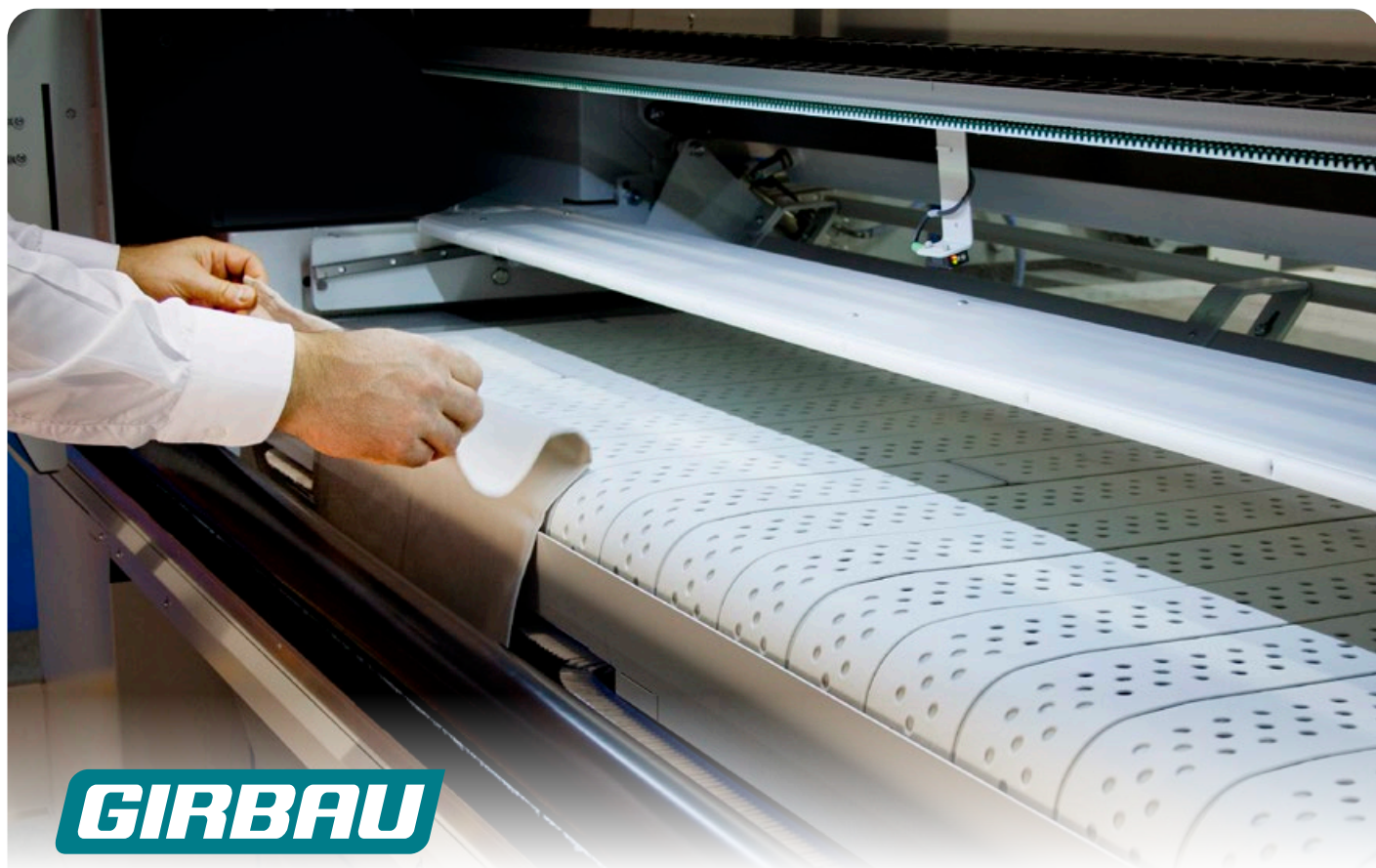
+ QUALITY

The articles of linen are positioned rapidly on the feeder conveyor with a margin of error of less than 1mm. The drawing power of the suction box and the various quality systems ensure flawless feeding.

- MAINTENANCE

The simplicity of operation prevents complications in its functioning and aids servicing operations.





DRBS

The **DRBS** series feeders feature the latest safety system for users, the User Protection System. This system, with doors that prevent the user from accessing the feeder clamps and servers when the machine is operating, guarantees the safety of the operators and correct operation.



New infeed clamps more ergonomic

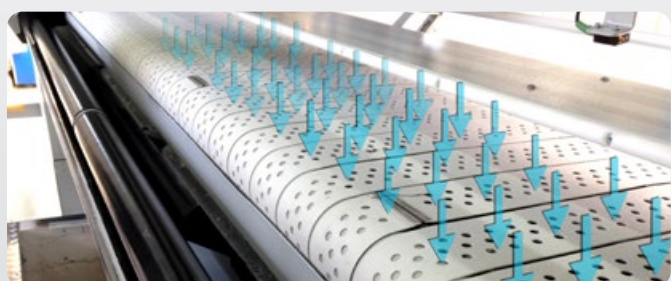


New server clamps, more robust for heavy articles

DRBS2/DRBS3

This machine is fitted with a dust extraction drawer at the front, and a suction table that ensures a higher feeding quality and increased productivity.

Both the **DRBS2** and the **DRBS3** are equipped with 2 servers, thus achieving productions of up to 790 and 1,000 items per hour respectively.



A system of compressing rollers during feeding to ensure that the item is loaded correctly, especially if it is heavy or has a tendency to slide.

LOADING STATIONS

The loading stations for the **DRBS3** have been carefully designed to provide maximum operator comfort and productivity.

These are the 2 or 3 work station configurations.

DRBS2

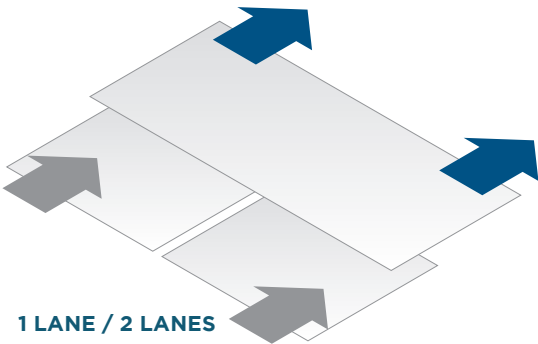


DRBS3



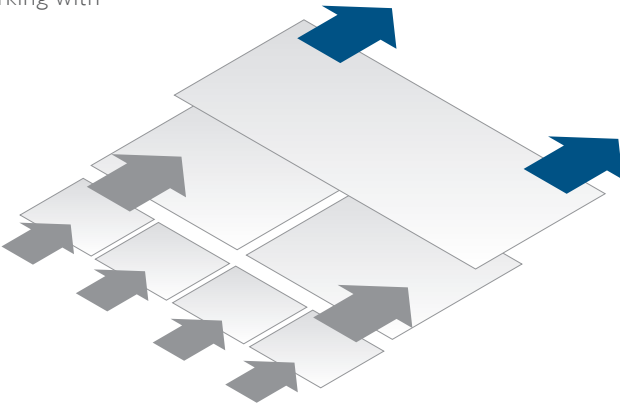
AUTOMATIC FEEDING

Decide whether to work with only 1 lane, or with both 1 and 2 lanes alike.



MANUAL FEEDING

Possibility of working with 1, 2 or 4 lanes.



CONTROL

The system of graphical control icons allows easy and intuitive configuration of the feeder. The icons are common to all Girbau machines, thereby aiding learning from one machine to another. The menu screens, arranged according to function, make it easy for the user to program all the possibilities for feeding the various laundry items.

PIT(Mandatory)

The best and most efficient production is achieved by constructing a front pit in the floor. This pit provides maximum input verticality for the linen, preventing it from rubbing against the floor and ensuring a more precise and effective linen input.

OPTIONS

ILLUMINATION



Easier to view possible stains or tears on the clothes. Use buttons **DIRTY** **BROKEN** these clothes will apart of the line circuit.



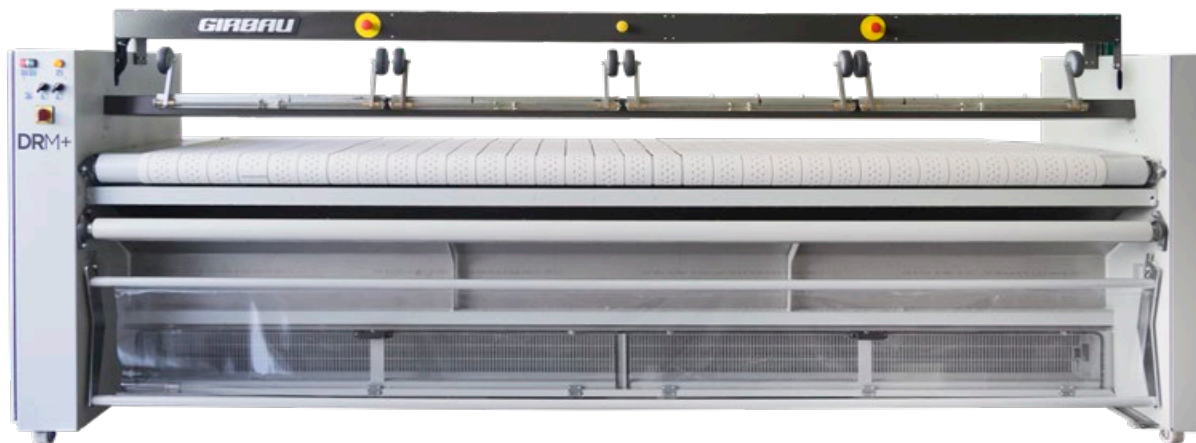
QUALITY



A highly recommended option for improving feeding quality even further. A number of smoothing belts located above the discharge conveyor, along with a series of brushes on 1 or 2 lanes, depending on the feeder chosen, correct any imperfections which may have appeared.

DRM+

MANUAL FRONT FEEDER



It is ideal for laundries requiring simple, economic manual feeding with minimum maintenance.

Designed to feed in articles of all sizes, it can work on 1, 2 or 4 lanes.

Simplicity and efficiency are the two main features of the **DRM+**.



SIMPLICITY

Simplicity does not mean less results. The **DRM+** increases the productivity of your laundry with simplicity in mind. Your operators will find it very easy to handle.



MAINTENANCE

The great structural accessibility makes for easy maintenance.



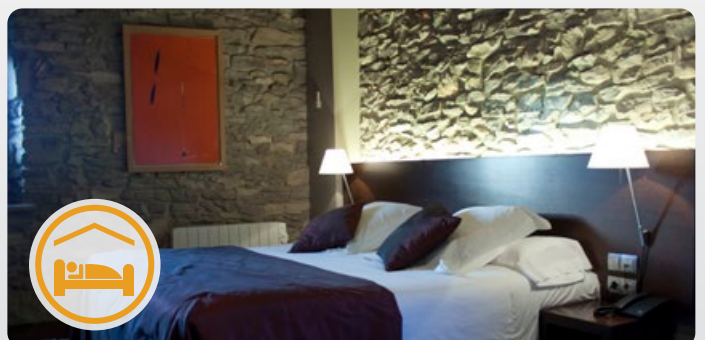
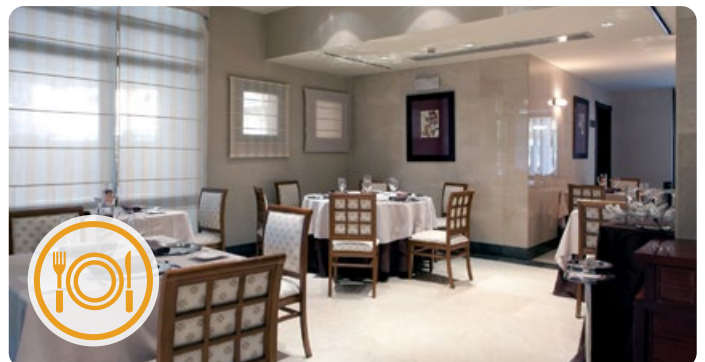
PRODUCTIVITY

With this manual feeder production is increased by between 30% and 40% compared with direct feeding to the flatwork ironer.



COSTS

The **DRM+** allows you introduce the automation of the feeding process economically, thereby gaining in productivity and ironing quality without having to make major investments in equipment.



TECHNOLOGY

MORE SPACE

The space below the feeding conveyor allows room for a laundry cart, thus improving the ergonomics and productivity of the operators.

ERGONOMIC FEEDING

Extensive free space on the feeding conveyor ensures a safe and ergonomic feeding with a very good visibility of the article being inserted.

FILTER

The suction outlets have fibrin retention filters to maintain the air quality of the work environment.

SUCTION BOX

The suction box is fitted with accessible covers that aid maintenance work.

SPEED INVERTER

An electronic speed inverter automatically synchronizes the feeder with the speed of the flatwork ironer.

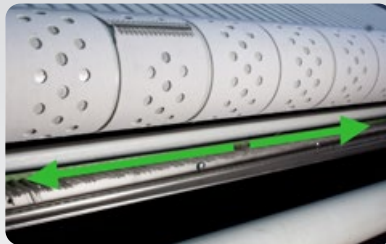


OPTIONS



SUCTION TABLE (ASP1)

The suction on the feeder table makes the work easier for the operators. It holds the article and prevents it from moving, and thus increases the productivity.



STRETCHING BRUSHES (BRUSH)

The stretching brushes spread the linen out at the sides and improve the feeding quality.



MOVEMENT RAILS (T1)

This option is essential for aiding access to the feeder and for cleaning and maintenance work, both on the feeder and the flatwork ironer.



CART PROTECTION (BT)

The steel rail prevents the laundry transporting carts from hitting the feeder and helps the operators to access the carts and their loads.



ITEM SUPPORT TRAY (AU)

Concealable tray that aids the insertion of small items.



MULTIPLE WHEEL ASSEMBLY (RIND)

Assembly consisting of free wheels, especially useful when there is no suction available in the feeder table. The wheels hold the laundry items while they are being inserted.

DR1+

AUTOMATIC FRONT FEEDER



A very straightforward automatic feeder for feeding in articles automatically on 1 lane. It also allows manual feeding of items of all sizes on 1, 2 or 4 lanes.



PRODUCTION

It has a clamping mechanism that allows a single operator to feed in up to 300 large items per hour on one lane, and a program designed for 2 operators, enabling them to feed in up to 450 sheets per hour.



MAINTENANCE

The straightforward operation prevents complications in functioning and aids maintenance operations.



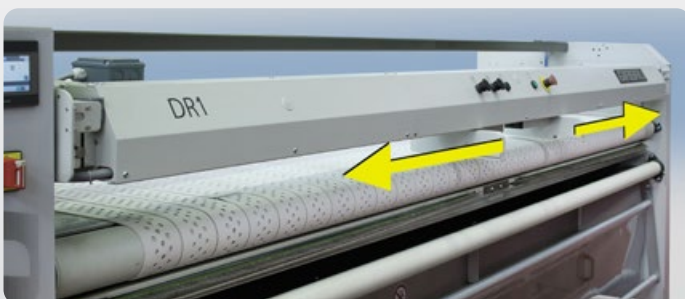
SAFETY

The feeding clamps can be halted by simply pressing them by hand, providing maximum operator safety.



QUALITY

Automatic feeding ensures that all the articles are lined up, centred, drawn taut and stretched perfectly.

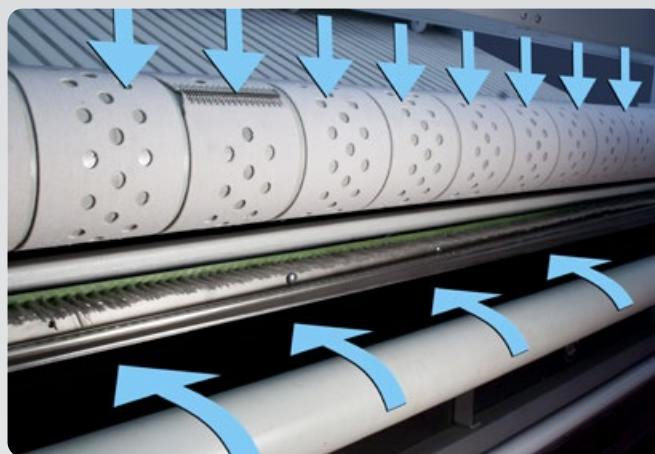


SUCTION BOX AND SUCTION TABLE

The suction box increases the efficiency of the suction on the feeding table. The suction table holds the item of linen firmly.

CREASE-REMOVING BRUSHES

These smooth out the article of linen once it has been deposited on the suction table, thus increasing feeding quality.



FEEDING CLAMPS

In automatic mode, a series of front feeding clamps draw the linen taut and feed the article onto the suction table accurately.



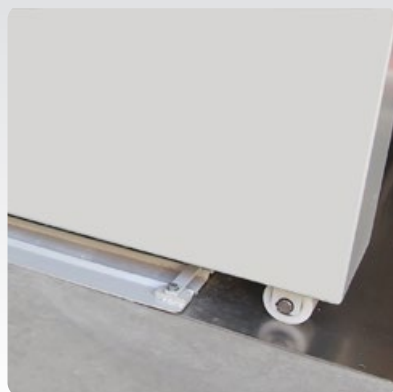
CONTROL

The **DR1+** Control is intuitive and easy to manage thanks to the colour touch-screen, which allows the operator to change the flatwork ironing system's program. In this way control of the feeder, the flatwork ironer and the folder is automatically synchronised.



OPTIONS

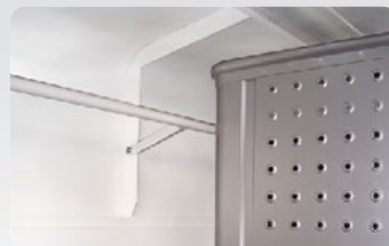
MOVEMENT RAILS



ITEM SUPPORT TRAY



CART PROTECTION (BT)



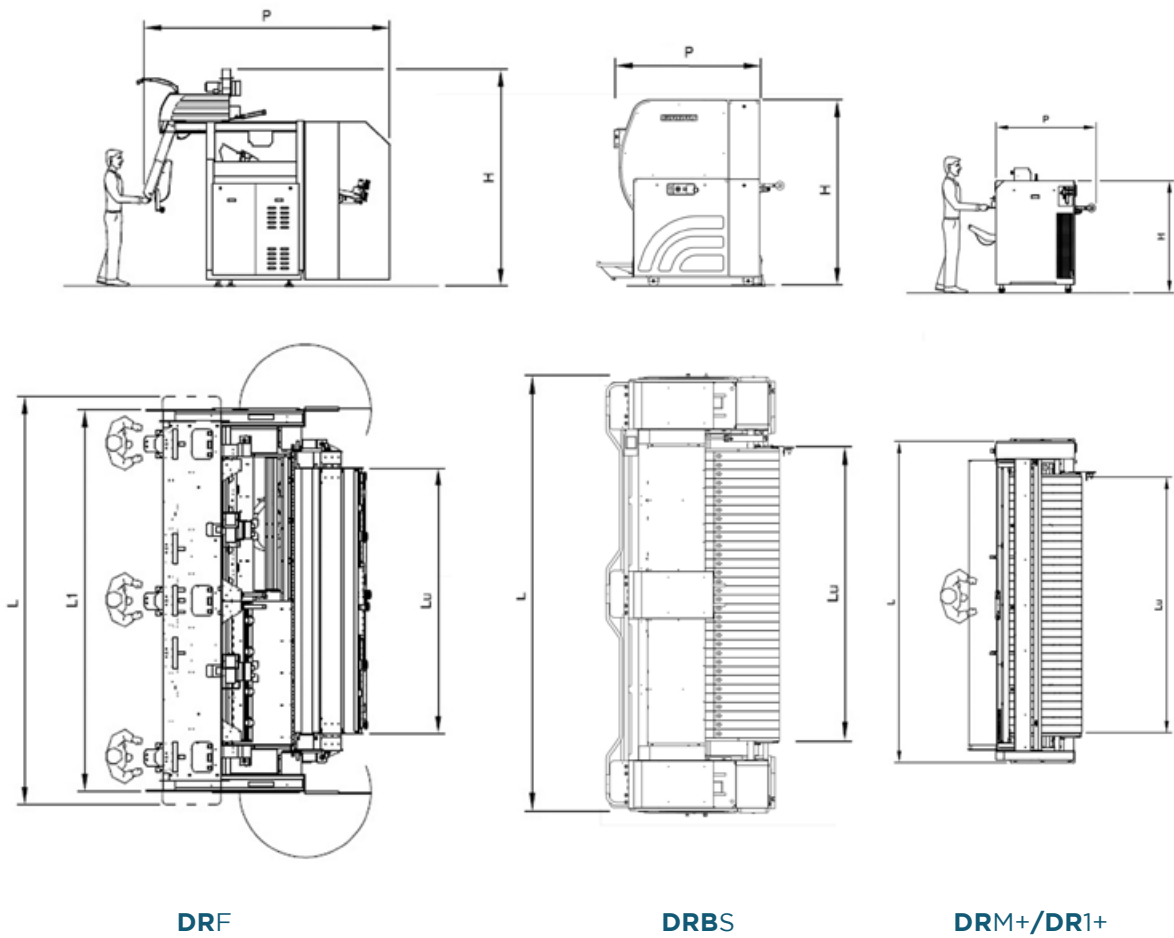
The steel rail prevents the laundry transporting carts from hitting the feeder and helps the operators to access the carts and their loads.

DR SERIES



			DRF	DRBS	DRM+	DR1+
Electrical requirements	Power installed (max.)	kVA	21,89	21,5	3,2	
Compressed air	Consumption for 100 items	m³	10	8	-	
	Operating pressure	bar	6 - 10		-	
Dimensions	Length L	mm (in)	5.080 (200)	4.955 (195)	3.475 (136,8)	
	Length L1	mm (in)	4.850 (190,9)	-		
	Length Lu	mm (in)	3.000 (118,1) 3.300 (129,9) 3.500 (137,8)			
	Height (max) H	mm (in)	2.613 (102,9)	2.085 (82)	1.629 (64,1)	
	Depth P	mm (in)	2.710 (106,7)	2.625 (103,3)	1.137 (44,7)	
Other	Conveyor speed	m/min (ft/min)	5 a 50 (16,4 to 164)			
	Noise level	dBA	76		72	
	Net weight	kg (lbs)	3.700 (8.157)	3.100 (6.834)	1.100 (2.425)	1.200 (2.645,5)

GIRBAU S.A. reserves the right to change specifications without notice





E&B

EASY & BEST SOLUTIONS

EASY AND SUSTAINABLE SOLUTIONS

We propose a new way of working, aimed at achieving the best solution in the easiest way possible.

Just let us know your production requirements. We will take care of the rest.

Easy and best.

GIRBAU



See video

GIRBAU.COM

