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**GIRBAU**

LAUNDRY EQUIPMENT

**DR SERIES  
FEEDERS**

A challenge in terms of quality, cost-effectiveness and innovation



QUALITY AND COST-EFFECTIVENESS IN FEEDER SYSTEMS

# DR SERIES

As part of its ongoing response to the challenge of offering its customers a comprehensive laundering solution, Girbau has developed the DR Series range of feeders, with different models and versions that adapt to the key parameters in feeder systems: production, quality, type of laundry and budget.

The DR Series is presented in two versions: the completely automatic DRF model, and the DRM manual feeding model.



## DRF



## DRM



*In the DR Series, Girbau has applied over forty years' experience in the laundering sector and the latest cutting-edge technology to achieve a range of feeders that are reliable, efficient and cost-effective. We invite you to discover the DR Series feeders.*

# DRF Automatic Front Feeder



Laundry requirements are evolving along with the market. New fabrics and new sizes require feeder systems prepared to respond to changes. Feeding duvet covers, king or queen-sized sheets, or bedspreads is no problem for the DRF feeder. This feeder's versatility ensures that there are no limits in your laundry in terms of feeding.

## PRODUCTIVITY

The work stations for DRF feeders have been ergonomically designed to facilitate maximum operator productivity. Depending on the type of article being fed in, the operator can achieve up to 300 articles per hour. The speed of the feeding conveyor can be adjusted from 5 to 50m/min.

## VERSATILITY

The DRF feeders have been designed to work without the need to build a pit\*, thereby improving the laundry's health and safety situation significantly. In addition, it removes the need for costly construction work in installing the feeder.

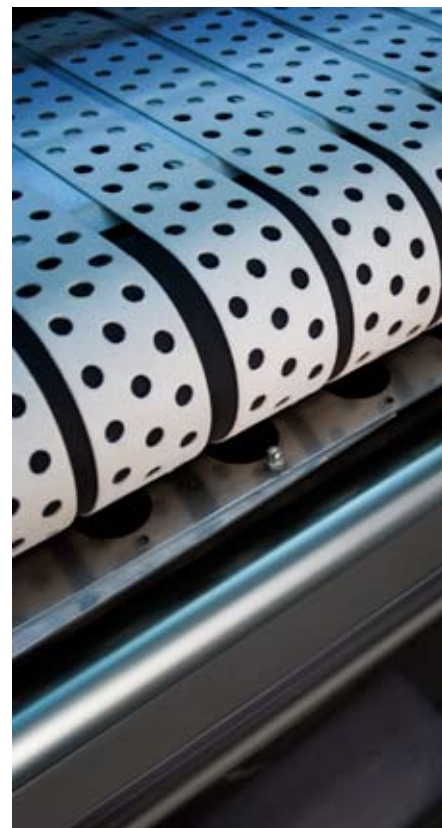
\* Inserted items must not exceed 2.4m

## QUALITY

The server clamps are positioned by a servomotor that places the items at high speed and with great precision, with a margin of error of less than 0.1mm. The laundry item is thus positioned accurately and perfectly, in parallel with the laundry items already on the flatwork ironer, thereby improving the quality of ironing and final folding.

## RELIABILITY

All the components have been selected from a range of recognised and internationally-established suppliers, and tested in Girbau's testing laboratory before being approved. Reliability has been tested on a component by component basis, before submitting the machine to stringent laboratory tests.





## TECHNOLOGY

### ERGONOMIC AND SAFE WORK STATIONS

The DRF work 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.

In addition, the space between stations is wide and allows room to position the laundry trolleys.

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 (from 950mm to 1200mm) to adapt to the operator, and descend at low pressure, thus ensuring user safety without impeding productivity.

**These characteristics, together with the absence of a pit, make this feeder one of the safest on the market.**

### TRANSFERRING CLAMPS (SERVER)

The transferring clamps hold even the heaviest items, such as duvet covers or King Size sheets, firmly but delicately.

### THE TRANSFERRING VACUUM BAR

The transferring vacuum bar is fitted with a suction system for the full width of the machine. The DRF feeder is the first on the market to hold the item along its entire length for the transfer, providing a higher quality of feeding in terms of parallelism and precise positioning of the laundry items.

### SUCTION FEEDING CONVEYOR

The DRF has a vacuum table to hold the item while it moves towards the ironer. The belts are made from an exclusive material consisting of extremely hard-wearing silicones that provide an additional adhesion to the powerful suction of the table.

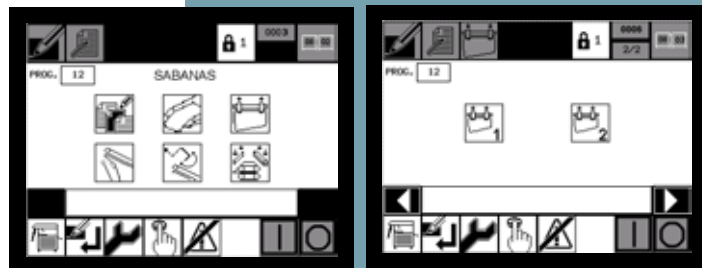
### SPREADING DRAWER (FEED)

The bottom part of the feeding belt is a powerful suction drawer. Together with a combination of curved spreading plates and brushes, the suction drawer pulls the bottom of the inserted items, helping to spread these out and thereby increasing the feeding quality. This suction system has a noise level lower than that allowed by the most demanding legal requirements, while complying with all the regulations regarding ergonomics and safety.

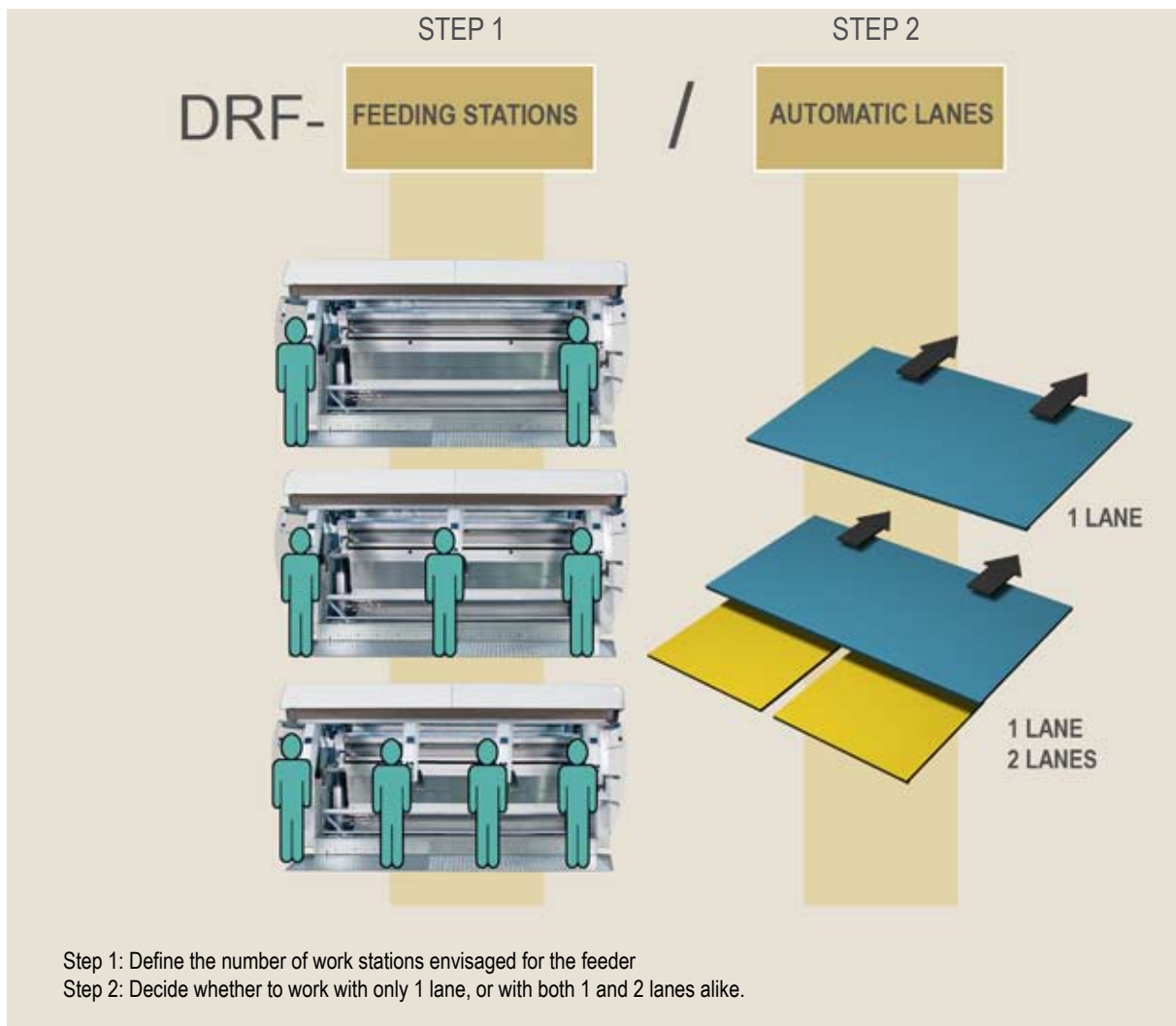


## CONTROLS

The system of graphical control icons allows easy and intuitive configuration of the feeder. The menu screens, arranged according to function, make it easy for the user to program all the possibilities for feeding the various laundry items.



## CONFIGURING YOUR DRF FEEDER IN TWO STEPS



## OPTIONS

### HINGED TOP FOR FEEDING SMALL ITEMS

This allows the feeder top to move with the automatic feeder stations. At the same time, the feeding conveyor descends to a height that is accessible for the operators. In this way, the feeder allows items to be inserted manually with up to 4 feeder lanes.



### SECOND SERVER

With this option, the machine is fitted with a second set of transferring clamps. These clamps move along the feeder, picking up the laundry items, pulling them taut and passing them on to the vacuum bar. The second server increases productivity.

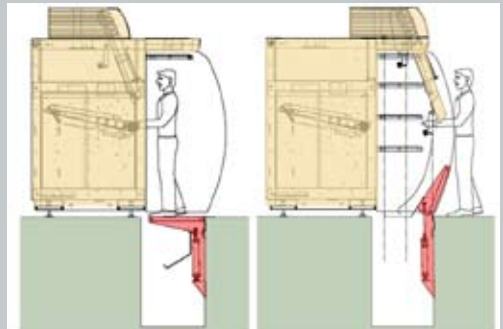
This option is especially recommended when a considerable amount of work is to be done on 2 lanes, or when the DRF feeder is inserting large-sized items with a high level of production.



### HINGED PIT

When the feeder has the option for inserting small items and large items are inserted, a pit is required, and this needs to be covered when the operators are feeding items in manually.

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.



### SPREADING BRUSHES AND BELTS

A highly recommended option for improving feeding quality even further. Creases-guard belts located on top of the output belt, together with brushes arranged on 1 or 2 lanes, depending on the feeder chosen, move out towards the sides of the laundry item.

This system improves the feeding quality considerably.



### SPREADING BRUSHES AND BELTS + LIGHTENING FLAPS

In addition to the aforementioned spreading system, this option includes a system for lightening the weight of the laundry, which is very useful when inserting 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 insert.



### SPREADING BRUSHES AND BELTS + LIGHTENING FLAPS + QUALITY SYSTEM FOR TABLE LINEN

In addition to the spreading brushes and belts and the lightening flaps, this option incorporates a quality system for feeding in table linen.



# DRM Manual Feeder



The DRM is a simple manual front feeder. The machine is economical and requires a minimum amount of maintenance, and is designed for feeding articles of all sizes, on 1, 2 or 4 lanes.

## THE IMPORTANCE OF SMALL DETAILS

Girbau has paid attention to the small details in order to make this feeder a highly effective piece of equipment.





## TECHNOLOGY

Plenty of free space on the feeding conveyor, for a safe and ergonomic feeding, and with a very good view of the article being inserted



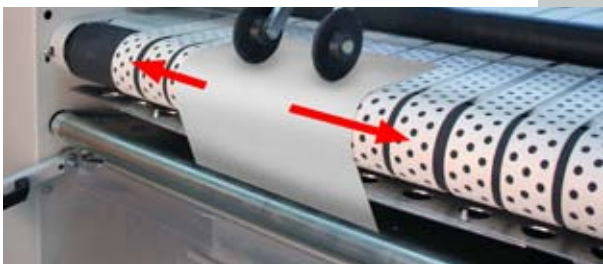
The remaining space below the feeding conveyor allows room for a laundry trolley, thus improving the ergonomics and productivity of the operators.



Inverter to adapt to production needs.



Suction drawer with easily accessible covers for maintenance.



Curved plates arranged into 4 lanes at the exit of the suction aperture, which increase the effectiveness of the spreading of the inserted laundry.



Set of wheels with self-centring system, arranged on the 4 lanes to support the laundry items and ensure optimal centring.



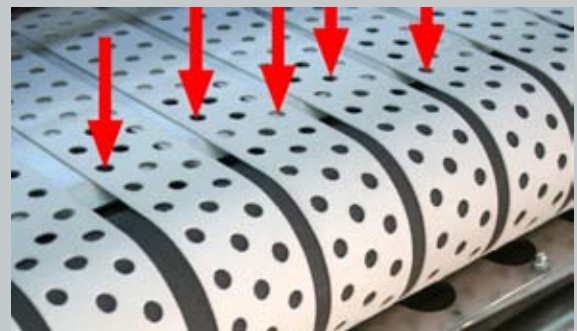
Suction aperture with lint-retaining filters, to keep the laundry environment impeccable.

## ACCESSORIES

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

### SUCTION TABLE

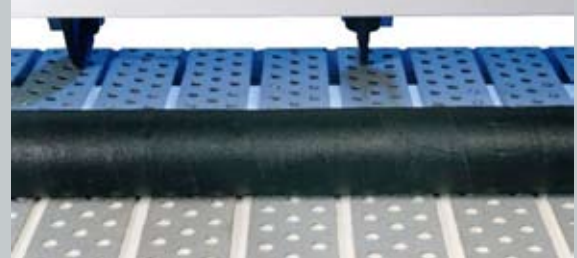
The suction on the feeder table makes the work easier for the operators. It holds the article and prevents it from moving, and thus increases the productivity of the work stations..



### PRESSING ROLLER

#### suitable for large-sized articles

The roller positioned along the feeder holds large-sized items firmly to prevent them from being drawn into the suction drawer.



### ARTICLE SUPPORT TRAY

Concealable tray that aids the insertion of small items.



### MOVEMENT RAILS

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



### TROLLEY STOP

This steel rail prevents the trolleys carrying the laundry from bumping against the machine or the load from being inaccessible for the operators.



### SUCTION COLLECTOR WITH SIDE OUTPUT AND COLLECTING BAG

The suction system is fitted with a collector that draws the air output towards the sides, enabling easier access for cleaning the filters.



### MULTIPLE WHEEL ASSEMBLY

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



# WE MANUFACTURE EQUIPMENT. WE PROVIDE SOLUTIONS.

Girbau provide complete systems for laundry processing: hotels, hospitals, industrial laundries, cruises, etc. wishing to offer their customers table linen, sheets, towels and 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 your centre's image.

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



# DRF

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

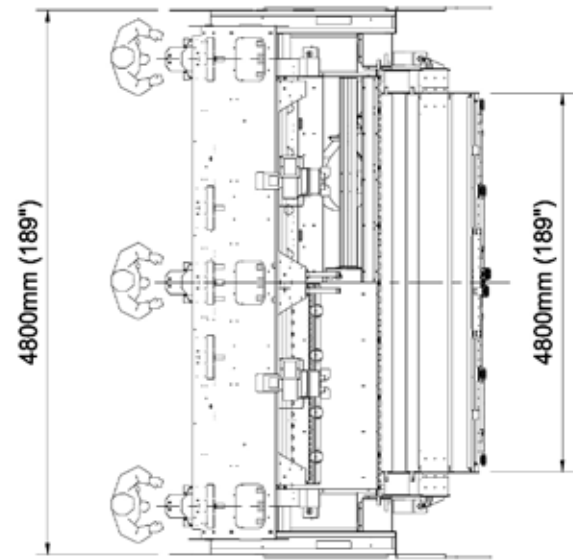
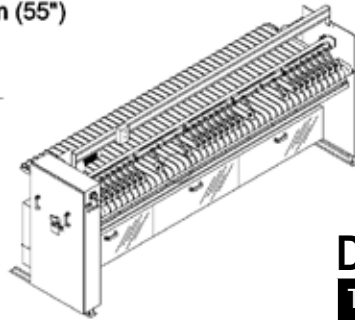
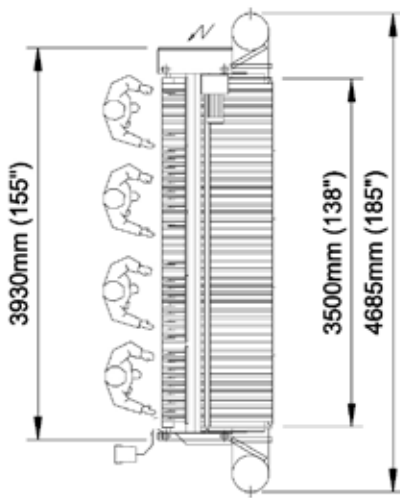
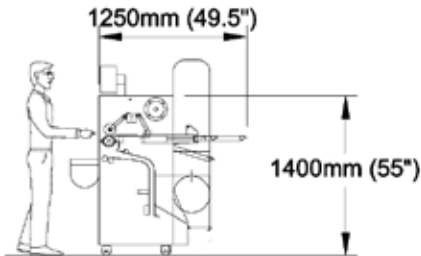
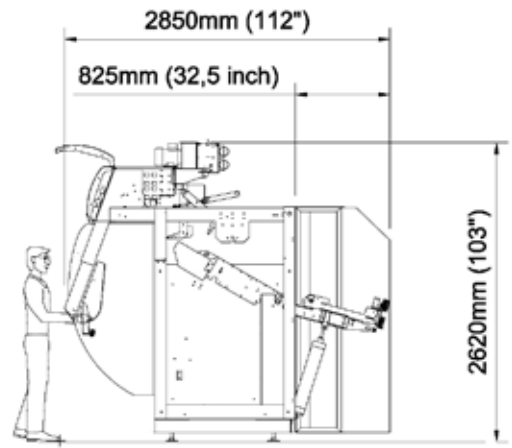
Installed power	21,89KVA
Supply section	3 x 6 <sup>2</sup> + ground 400V
	3 x 10 <sup>2</sup> + ground 230V

### COMPRESSED AIR

Supply section	diam. 15x21
Operating pressure	6 bars

### OTHERS

Noise level	76 dBA
Mass (max)	3600 kg (7937 lbs)



# DRM

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

Installed power	6.87 KVA
Supply section	3x2,5 <sup>2</sup> +ground 400V
	3x4 <sup>2</sup> +ground 230V

### OTROS

Noise level	83 dBA at 1m.
Mass	850 kg (1874 lbs)
Weight / foot (Floor pressure)	31 N/cm <sup>2</sup> / 4 feet

GIRBAU S.A. reserves the right to introduce modifications



### HEADQUARTERS

GIRBAU, S.A. Ctra de Manlleu, km. 1 - 08500 Vic (Barcelona) Spain - [www.girbau.com](http://www.girbau.com)  
tel. (+34) 93 886 2219 - Fax (+34) 93 886 0785 - [girbau@girbau.es](mailto:girbau@girbau.es)

### BRANCHES

Argentina - Buenos Aires - Tel. +54-1 149017600 - [girbauargentina@girbau.com.ar](mailto:girbauargentina@girbau.com.ar)  
Brazil - Sao Paulo - Tel. +55 11-29820446 - [girbaudobrasil@girbau.com.br](mailto:girbaudobrasil@girbau.com.br)  
China - Shenzhen - Tel. +86-755-8211 1330 - [info@girbau.com.cn](mailto:info@girbau.com.cn)  
Cuba - La Habana - Tel. (+53-7) 8662071 al 73 - [girbau@girbau.co.cu](mailto:girbau@girbau.co.cu)  
France - Roissy (Paris) - Tel. +33 1-49388585 - [info@girbau.fr](mailto:info@girbau.fr)  
Germany - Hannover - Tel. +49-5119357570 - [girbau@girbau.de](mailto:girbau@girbau.de)  
India - Bangalore - Tel. +91 80 2521 5725 - [info@girbauindia.com](mailto:info@girbauindia.com)  
U.A.E. - Dubai - Tel. +971 4-8839951 - [girbau@emirates.net.ae](mailto:girbau@emirates.net.ae)  
U.K. - Hitchin - Tel. +44(0)-1462 427780 - [info@girbau.co.uk](mailto:info@girbau.co.uk)  
U.S.A. - Oshkosh, Wi - Tel. +1(920) 2318222 - [info@continentalgirbau.com](mailto:info@continentalgirbau.com)