

# Refit of the laundry at the Hospital Clínico in Zaragoza.

**Higher productivity,  
greater energy efficiency  
and twice the washing**

**GIRBAU**  
LAUNDRY BEYOND LAUNDRY

Girbau was the company chosen to refit the laundry at the Hospital Clínico in Zaragoza. Under its “As a Service” business model, the company came up with a “pay per use” project to offer a comprehensive service. The results speak for themselves: more washing capacity per shift with increased energy saving.

Girbau, a world leader in complete professional laundry solutions, has updated the laundry at the Hospital Clínico Universitario Lozano Blesa in Zaragoza, achieving a major improvement in productivity, energy efficiency and capacity and enabling the laundry to process 6,300 kg of laundry per shift, compared to 5,500 kg before. The laundry, opened in December 2019, was fully refitted by Girbau, using a new “pay per use” model which is 100% results-oriented. Under this model, which is planned to work for 12 years, the hospital pays per kilo of linen washed and bears the costs of water, electricity and gas, while Girbau supplies the chemicals and maintains the equipment installed, which remains its property.

Girbau also handled the whole refitting process, from the preliminary study to all the building work, creating and fitting out the rooms, air conditioning and heating, installation of machinery and commissioning the laundry, as well as full training in laundry processes and management. All this is a good example of the Girbau “As a Service” business model, focused on providing a quality service so that the hospital does not need to worry about a thing while ensuring the service works perfectly. This project, carried out under the innovative “innovation in public procurement” formula, won the 2019 Amparo Poch prize for innovation in public procurement awarded by the IACS university chair.

The washing machines, over 26 years old, were removed and in their place Girbau installed an ironer and an 8-module Hygien batch washing system featuring the Drain Intercooler system, a water-water exchanger to exploit the heat energy in waste water to preheat incoming water, achieving a 30% saving in energy in this process. Two complete flatwork ironing systems, a batch washer, a uniform folder and a towelling linen folder were also installed.



*“With the new procurement model we have assured a service vital to the operation of our hospital facilities while sharing the management and the improvements achieved with the contractors. This development is now being applied to other services with excellent results and both the Hospital Clínico Universitario Lozano Blesa and Girbau have spotted it as an opportunity to develop. Working on a day-to-day basis with the specialist service provider is the best way to improve in our everyday work, seeking the best working conditions for staff together with greater efficiency in carrying out our own activities and in terms of energy, consumption and work. Today, in the light of the first few months in operation, we expect this project to be a total success.”*

**—José Luis Sancho,**  
Management and GS  
deputy manager at the Hospital  
Clínico in Zaragoza

The new batch washer also ensures an ergonomic posture for the operator, avoiding the heavy work of loading and unloading washing machines and dryers. Girbau also installed a water extraction press to remove more water, allowing shorter drying cycles and saving energy. Like this the refit of the laundry will allow a considerable reduction in the hospital’s environmental impact by minimising its energy consumption. Apart from the reduction in the water footprint of the washing process, the machinery installed by Girbau keeps the process within the hospital, reducing its use of natural resources to a minimum.





# Why Girbau

- Overall handling of the whole project: design, planning, consulting and advice, support and supplying high-tech machinery.
- Streamlining the facilities: significantly increased washing capacity and a drastic cut in logistics and energy costs.
- Professional, local and friendly service.
- Reliable, quality and robust machinery.
- Added value for the client.



*“Setting up a project of this scale is not simple, but working together with the hospital has meant that today the centre has a refitted laundry that provides a better service. Also, through the system of innovation in public procurement used for the tendering process, the hospital has managed to boost quality for patients and reduce its environmental impact without having to make an investment as such.”*

**— Toni Domínguez,**  
Sales Engineering  
Manager at Girbau



# Technical details

- **Alveolos** dirty linen sorting system for washing machines
- 1 **ICP4+** batch washer loading conveyor
- 1 8-module **TBS50/8 HYGIEN** batch washer
- 1 **SPR50** extraction press
- 1 **CED+** shuttle lifting conveyor
- 3 **ST1302** dryers
- 1 dryer unloading conveyor
- **PICKER** sheet separator
- 1 **DRBS** batch ironing system feeder
- 1 **PC12030/2RG** 3-metre ironer with two gas cylinders
- 1 **FR+ 4V MX3P** flatwork linen folder with stacker
- 1 **DRM+** manual feeder
- 1 **PC120 33/2RG** 3.3-metre ironer with two gas cylinders
- 1 **FRB 4V UX3P** flatwork linen folder with stacker
- 1 **BW2000** 200 kg sanitary barrier washing machine
- 1 **PCH84** 84 kg sanitary barrier washing machine
- 1 **HS7017** 17 kg washing machine
- 1 **ED340** dryer
- 1 **FINTEC FTS-106** garment finisher
- 1 **VARIOLOAD** garment finisher loader
- **VARIOFOLD** Uniform folder
- **FT-TOP FOLD** Towel folder