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# ENVIRONMENTAL STATEMENT

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2024

**GIRBAU**

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# 1. PRESENTATION

Thinking about the future and keeping a constant line of improvement, GIRBAU commits to achieve, through ethical and responsible behaviour, a series of environmental goals aimed at the conservation and maintenance of natural resources, the permanent improvement of health and safety at work, and the prevention of nuisances and disturbances to residents in the surrounding area.

We understand that Quality Management ensures our customers quality and homogeneity in the products we manufacture, as well as high production efficiency.

Industrial safety, work conditions and permanent training ensure that our employees work in satisfactory conditions.

Moreover, an Environmental management system ensures that our products have been manufactured optimizing natural resources and in compliance with all environmental regulations and laws.

The environmental management of our company translates into a commitment to continuous improvement of our environmental performance, and it materializes with the implementation of an Environmental Management System, which includes the performance of periodic assessments and audits to verify, document and continually improve its operation.

Our idea of quality does not limit itself to the manufacturing of a good product, a good service and the searching for our customers' satisfaction. We wish to go further on, and we are also concerned about environmental impact.

For this reason, we understand that this Environmental Management System is our small contribution to leave a better world than the one we found.

Pere Girbau

*General Manager of Girbau, S.A.*



## CERTIFICATIONS

At GIRBAU, we understand that certifications are a starting point for the constant improvement of our products.

The present environmental statement is intended to show all the efforts made by GIRBAU to improve its competitiveness and productivity while preserving the environment.

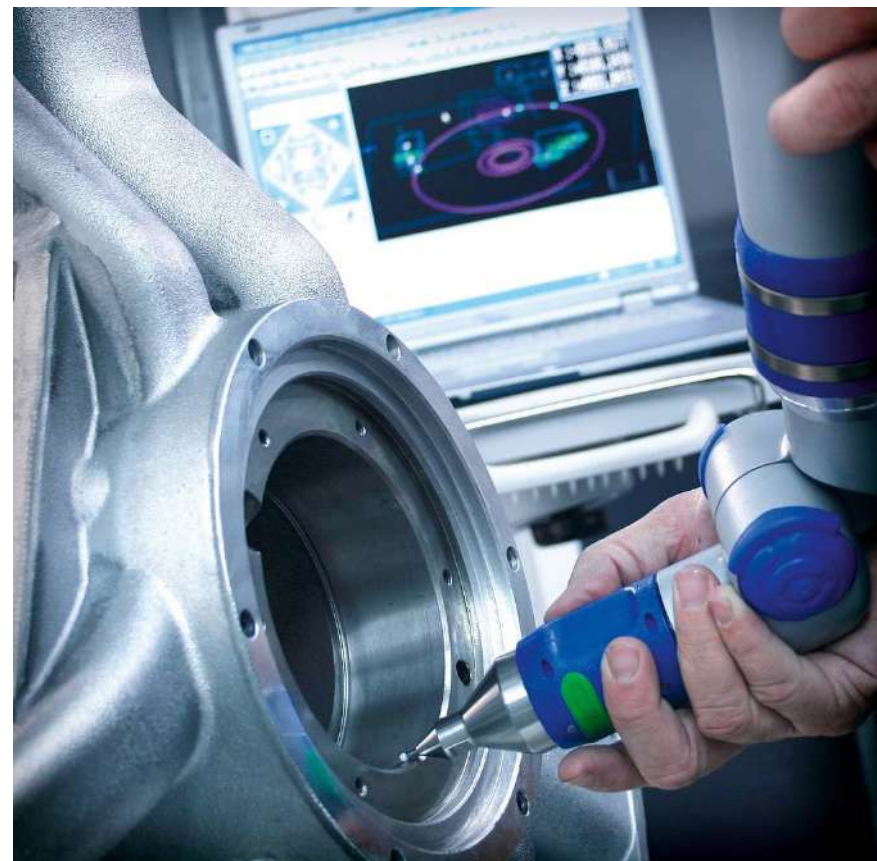
GIRBAU goes beyond the requirements of the regulations and spares no efforts to contribute to a better environment.

In this respect, GIRBAU holds the certifications ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018, and complies with Regulation (EC) No 1221/2009 of the European Parliament and of the Council of 25 November 2009 – EMAS, as amended by Commission Regulation (EU) 2017/1505 and Commission Regulation (EU) 2018/2026.

## RELATIONSHIP WITH RELATED ORGANISATIONS

GIRBAU maintains relationships with several organizations that can have an impact on the environment, including participation in the European working groups CENELEC and ETCT, which are developing a draft version of the Eco-friendly energy label regulation for industrial laundry machinery.

The company also works with chemical product companies to provide turnkey wet-cleaning laundries as an alternative to dry-cleaning laundries, which are highly polluting due to their use of chlorinated solvents, among others.



Additionally, Girbau Lab has spearheaded several projects in partnership with technology centers, universities and other companies to improve laundry circularity and explore new business opportunities.

## OUR FACILITIES

GIRBAU is a company located in the municipality of Vic, about 50 Km away from Barcelona, specializing in the manufacture and sale of laundry equipment and textile finishing. It can produce installations of any type and size and is one of the world's leading manufacturers.

Since the company was started, GIRBAU has been working to guarantee its customers complete satisfaction while providing maximum quality.

To achieve this, the company set up a quality system that has been ISO 9001 certified since 1994.

Currently, on the premise that the concept of quality also includes environmental quality, the company operates an environmental management system that is certified under ISO 14001.

The rules and procedures of this system guarantee that the company's products are designed and manufactured in an environmentally friendly way.

As part of the ongoing improvements to the safety of our processes and facilities, and with a view to fostering a preventive culture of healthy and safe workplaces, our organization also has an Occupational Health and Safety Management System certified to ISO 45001 standards.



*G1 Factory*


GIRBAU has the following two production centers in Vic:

GIRBAU S.A.		GIRBAU 1 Factory (G1)	GIRBAU 2/3 Factories (G2 and G3)
<i>Location</i>		Ctra. Manlleu, Km. 1 08500 Vic (Barcelona)	Polígon Ind. Malloles. C.Pruit 08500 Vic (Barcelona)
<i>Contact Details</i>		Tel. 93 702 70 00 E-mail: <a href="mailto:girbau@girbau.es">girbau@girbau.es</a>	Tel. 93 886 11 00 E-mail: <a href="mailto:girbau@girbau.es">girbau@girbau.es</a>
<i>Type of products manufactured and NACE</i>		Machinery for laundries NACE: 2894	Machinery for OPL and industrial laundries NACE: 2894
<i>Land use in relation to biodiversity<sup>1</sup></i>		Constructed and paved floor space: 21,000 m <sup>2</sup> Total land use: 21,000 m <sup>2</sup> Total paved floor space: 21,000 m <sup>2</sup>	Constructed and paved floor space: 13,600 m <sup>2</sup> Total land use: 13,600 m <sup>2</sup> Total paved floor space: 13,600 m <sup>2</sup>

In order to reaffirm our commitment to the environment, we have decided to adhere to the European Union Regulation No. 1221/2009 of the European Parliament and of the Council of 25 November 2009, which enables voluntary participation by organizations in a European Union eco-management and audit scheme (EMAS III). Modified in accordance with the EU Regulation 2017/1505 and 2018/2026.

This Regulation sets out three main courses of action:

-  Control of environmental aspects resulting from our activity.

-  Continuous reduction of such impact. Setting of goals and actions for its achievement, periodically controlling the results by means of environmental audits.

-  Transparent operations with society and our stakeholders.

Through this Environmental Statement, GIRBAU, S.A. wishes to show the work done and the objectives set to continuously improve its activity regarding environmental conservation in a clear and understandable way.

<sup>1</sup> Data related to land use with respect to biodiversity have not changed over the last three years.

## ORIGINS AND PRESENT SITUATION

GIRBAU was set up as a public limited company on 31 December 1971, as a continuation of the activities of Mr. Joan Girbau i Vilageliu. It is a family company that started with an initial share capital of 13,500,000 Spanish Pesetas.

GIRBAU, S.A. employs 502 professionals across the following departments: Research, Product Development, Mechanical, Electrical and Electronic Production, Laundry Project Office, Personnel Training, Commercial Office and Technical Support Services.

In 2024, GIRBAU, S.A.'s turnover was 137.64 million euros, of which more than a 47% came from exports. Its main markets include: United States, United Kingdom, France, Brazil, Malaysia, Portugal, Mexico and Australia.

GIRBAU products hold diverse certifications that guarantee compliance with the strictest standards at European Community and global level, including CE, WRAS and Applus+.

In order to control the overall quality of all our products, it is not enough to only have product and business certifications. We need to be sure that all the components in our products are reliable and of good quality. We therefore demand that our products have these certifications: CSA, UL and VDE.



G2 Factory

## CHRONOLOGY OF ACTIONS FOR PROTECTION OF THE ENVIRONMENT

### 1988-2000

- ✦ Regular waste controls began.
- ✦ Measurement of atmospheric emissions began.
- ✦ Waste water controls began.
- ✦ The use of trichloroethylene is replaced with other aqueous products. This was applied to 80% of the production process for surface treatment.
- ✦ Since part of the G1 factory was being expanded, trees surrounding the car park area were transplanted to a city park in Vic. The operation was neither easy nor cheap, but it was an environmental success: all trees survived the transplanting process.
- ✦ Aqueous waste was eliminated from the paint booths, replacing the water curtain booths with dry filter ones.

### 2000-2010

- ✦ Chlorine derivatives were no longer used in the company's production processes.
- ✦ UN-EN-ISO-14001 certification was obtained.
- ✦ Reduction in testing time for each machine. This resulted in a 25% reduction in electricity consumption in the verification section of G1.
- ✦ Four destratifiers were fitted, and skylight openings were covered. This represents a saving of 30% of the energy required to heat one plant in the G2 factory.
- ✦ Existing fluorescent lighting was replaced by triphosphor fluorescents (recyclable and not classed as special waste) and magnetic reactances were replaced with electronic ones (their tube lasts 3 times longer).
- ✦ A tank was constructed with a capacity of 100 m3 to recover 85% of water from the quality control department of the G2 factory.
- ✦ In February 2004, Girbau received confirmation of its registration in the EC's Eco Management and Audit Scheme (EMAS).

- ✦ A closed circuit water cooler was purchased and installed for a point soldering machine. This implies an annual saving of 603,000 l. of water.
- ✦ Four skylights were opened in the manual painting section with the aim of improving working conditions and saving power.
- ✦ The Factory 1 Contaminated Soil Statement was presented as stipulated in R.D.9-2005. The building work underway for the flatwork ironers laboratory provided the opportunity to check that the soil was not contaminated in that area (this work is being carried out in the old machine plant, where there was more likelihood of subsoil contamination, as large quantities of oil and lubricant were used).
- ✦ An ongoing process of computerising the distribution system for job orders and plans.
- ✦ A significant saving in water (600,000 l/year) was achieved in the soldering section by purchasing a second closed circuit water cooler for another point soldering machine.
- ✦ Reduction in atmospheric emissions of paint powder particles during the manual painting process, thanks to the purchase and installation of a more efficient filter for paint powder particles.
- ✦ Water savings during the series 6 tests with the construction, in Factory 2, of a washer checking space with two different drains: one for recovering the water used in the tests and another for evacuating the water. This represents a saving of 80%, with only 20% waste water.
- ✦ Study for the installation of photovoltaic panels: installation of a series of solar panels on the roof of the warehouse, as part of the extension work on the building.
- ✦ Tests begin to find ways of avoiding the atmospheric emission of VOCs (volatile organic compounds).
- ✦ In the painting section tests begin to find ways of eliminating the use of primer type paint with solvents.

## 2010-2019

- ✦ The installation of collective printers with double feeders, one for clean sheets and the other for the reuse of the blank side of used sheets of paper.
- ✦ In the paint section, we continue testing new products to try and reduce phosphates in the washing process and eliminate VOCs during the primer processes.
- ✦ Lighting tests with LED-type tubes.
- ✦ Energy efficiency improvements in the batch washer and washing machines.
- ✦ Implementing the 400v transformer at Girbau 1.
- ✦ Refurbishing the facades with insulation for better energy management.
- ✦ The manual for the machines is provided on a USB stick rather than in paper form.
- ✦ Progressive replacement of fluorescent tubes by LED type lighting.
- ✦ Incorporation of optical laser cutting machinery with high efficiency.
- ✦ Installation of photovoltaic solar panels on the roof of G1: pre-study and trial phase.
- ✦ Training GIRBAU users at the Girbau Experience Centre.
- ✦ Roll-out of the first phase of the installation of photovoltaic solar panels at G1, delivering 99 kWp of power.
- ✦ Reduction of the total consumption of solvent by 8%
- ✦ Study to reduce by 10% the weight of the packaging of Series 6 washing machines.

## 2020

- ✦ Reduction of the weight of the packaging of Series 6 washing machines by 50%.

## 2021

- ✦ Calculating carbon footprint for 2020.
- ✦ Improved insulation of main plants. Replacement of the roof.

## 2022

- ✦ Consolidation of the methodology for calculating of carbon footprint.
- ✦ Calculating carbon footprint for 2021.
- ✦ Study for the installation of stratifiers in the main plants of G1 to improve thermal comfort while reducing consumption.
- ✦ Roll-out of the second phase of the photovoltaic installation at G1, delivering an additional 210 kWp of power.

## 2023

- ✦ Calculating carbon footprint for 2022.
- ✦ Roll-out of the third phase of the photovoltaic installation at G1, delivering an additional 245 kWp of power.
- ✦ Installation of stratifiers in the main plants of G1 to improve thermal comfort and reduce consumption.
- ✦ Installation of a new paint tunnel of the latest generation: Solvent removal and reduction of paint waste.



## 2024

- We continued calculating our carbon footprint for 2023.
- Project to integrate the Occupational Health and Safety Management System with GIRBAU's Environmental Management System.
- New tools and channels to encourage workers to participate and propose improvements.
- More detailed identification and analysis of environmental aspects and impacts applicable to GIRBAU sites.
- Definition of action and training measures to address potential spills in factories.
- Work began on updating GIRBAU's Environmental Policy and defining its new one.
- Roll-out of the fourth and final phase of the photovoltaic installation at G1, delivering 240 kWp of power.
- Investments in more efficient machinery (upgrading fluorescents to LED lighting, optical laser, compressor, electrical transformer substation, etc.).
- Decarbonization: A natural gas boiler was replaced with a heat pump.
- Obtained bronze level ECOVADIS qualification.
- Study and changes to improve management of waste (batteries and WEEE). Obtained green seal certification for the management of metal waste (scrap).
- Completion of G1's roof replacement, removing all remaining asbestos from the roof and improving the insulation.
- Adherence to ENVALORA (SCRAP) as industrial packaging producers.
- Joined the energy saving certificate (CAE) system of the Spanish Ministry for the Ecological Transition and the Demographic Challenge (MITECO).
- Formulation and drafting of the water saving plan and launch of some of its actions (modification of machine testing programs and installation of low-flow regulators in taps and showers).



## 2. COMPANY ACTIVITY

Our company specializes in the manufacturing and marketing of industrial laundry equipment.

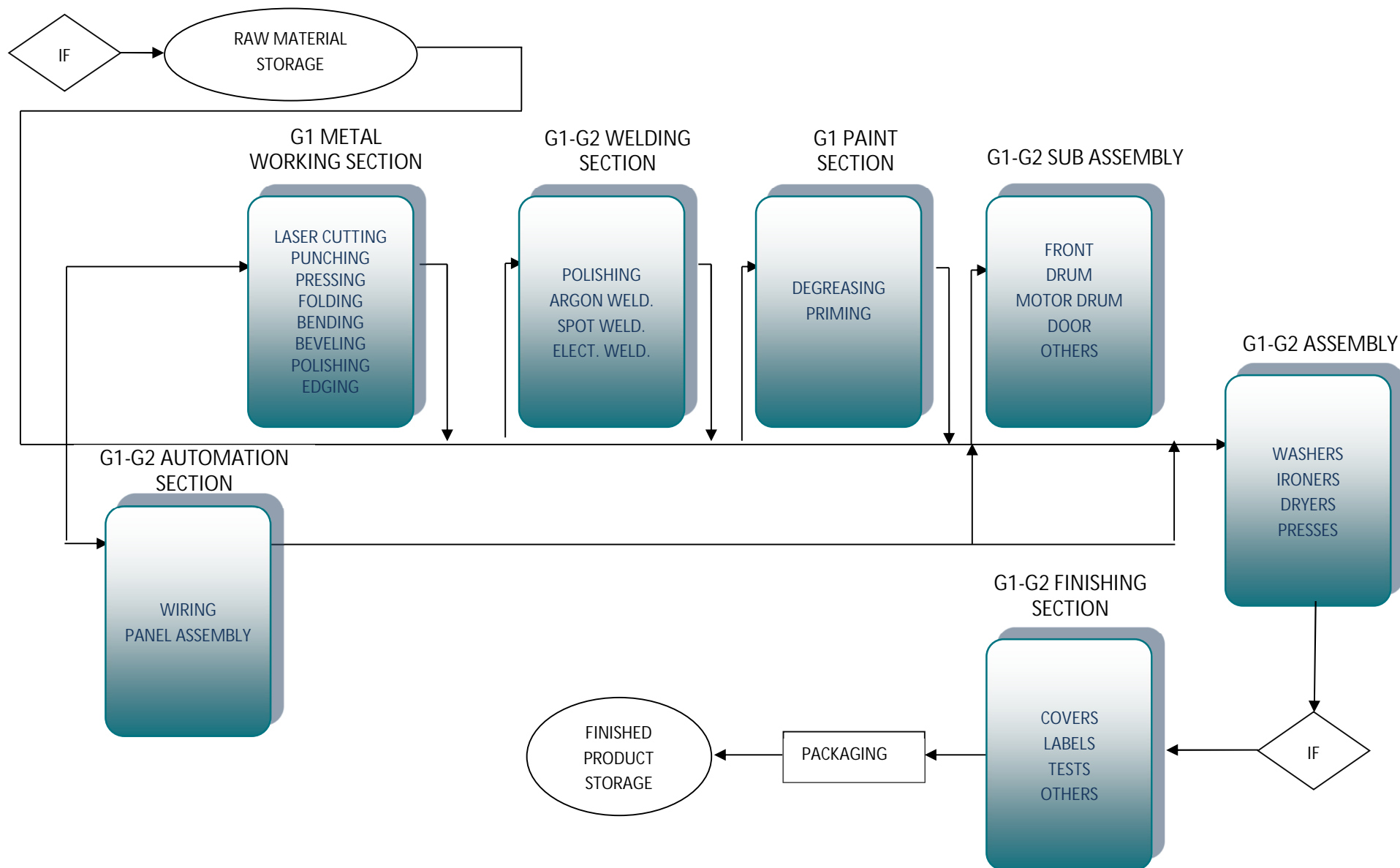
All GIRBAU products are manufactured in adherence to the principles of respect for the Environment.

As early as the design phase for new products, GIRBAU's Engineering Department follows the procedure defined in the Environmental Management System, which requires diverse measures to be taken into account to minimize negative environmental effects.

Factors to be taken into account during the phase of GIRBAU product design	Environmental improvements achieved
Equipment that guarantees optimization of natural resources.	Energy and water saving
Noiseless machines	Less acoustic pollution
Reduction of the weight of machines	Raw materials savings
Use of durable materials	Materials and machinery last longer, thereby avoiding the consumption of new materials
Use of recyclable materials	Materials can be recovered and reused
Use of as little packaging as possible	Reduction in the weight of machine packaging and associated waste



## MANUFACTURING DIAGRAM



## MAIN PRODUCTS MANUFACTURED BY GIRBAU

### Washers

With a great range of washing machines that incorporate the latest technological advances and countless benefits, GIRBAU seeks efficiency in the consumption of natural resources.

#### Genius Series Washers

Genius washers offer exceptional robustness and durability for years of constant use; BLE and IoT (Internet of things) connectivity for faster programming, simplified laundry management and remote software update. Achieving faster acceleration for extraordinary productivity and unparalleled performance. An advanced ergonomics, with large door opening and an extra large, water-resistant screen.



Washers - Genius Series

#### Free-standing Washers

The *MDS* - Multi-Directional Springs - system enables spinning speeds of over 250G with silent and highly stable operation. The system absorbs up to 95% of vibrations and considerably lengthens the life of the shock absorbers.



Free-standing Washers – HS Series

#### Hard-Mount Washer-Extractors

These machines require bolting down and reach spin speeds of up to 700 rpm. They are robust, reliable and versatile, offering optimum features and achieving maximum productivity and performance.



Hard-mount Washers – HS Series

## Tumble dryers

The range of Ecodryer dryers incorporate the Transflow system which aids the penetration of the hot air into the linen articles while taking advantage of the temperature to the maximum, in addition to having the door with double glazing and a double panel, Heat Capture Technology, ensuring a better use of energy and at the same time increasing the performance of some of the more expensive laundry processes.

In addition to lengthening the life of the linen thanks to the Care Touch Drum system, which is based on inlaying the holes to prevent the linen from coming into contact with sharp edges.



Ecodryer dryers – ED Series



PB flatwork ironer

## Wall-type ironers

The PB/PBP wall-type ironers combine productivity, ergonomics and safety, and provide the best ironing quality and profitability.

Girbau's exclusive kinematic strap tensioning system maintains a uniform ironing cylinder pressure, thereby achieving an exceptional finish for the item.

They incorporate the Autospeed system that automatically adjusts the ironing speed depending on the type of fabric and its degree of moisture.

PBP models incorporate a photocell system at the linen input and output that calculates the total length of the article and allows completely automatic folding.

## Industrial laundry: Batch washing system

A system made up of a tunnel washer, extraction press and dryer

The tunnel washer is a completely versatile installation with features that guarantee a long mechanical life. It has an optimal control that allows full control of the process parameters.

Thanks to the electronic control of the water flow, and the *Drain Intercooler* - which takes advantage of the thermal energy of the water from the drainage to preheat the water in the external network, having the ECO+ option available makes it possible to achieve savings of 80% in water consumption, 70% in energy and 40% in detergents compared to a conventional tunnel.

In the drying phase, the GIRBAU dryer ensures a really reduced energy consumption.



Batch washing system

## Industrial laundry: Multi-cylinder flatwork ironers

GIRBAU's flatwork ironers are a guarantee of efficiency, functionality, safety and productivity.

Designed in accordance with the European machinery safety directive for industrial laundries. The pressure elements are certified in accordance with the Asme code and provide a double safety device for hands and a daily self-checking.

Equipped with a large evaporation capacity and a high ironing capacity, they provide a perfect finish.



PC120 flatwork ironer

### 3. ENVIRONMENTAL POLICY

GIRBAU, devoted to the manufacture of equipment for laundries and textile finishing, a leader in the international market, recognises the protection of the environment as a priority and for this reason maintains an environmental management system duly implemented in accordance with Standard ISO 14001 and EMAS, respecting the following commitments:

- ✦ To comply with applicable environmental legislation and other voluntary commitments.
- ✦ To protect the environment and prevent pollution by making a rational use of resources and managing the atmospheric emissions and waste that are generated properly.
- ✦ To incorporate the best available techniques in the design of our products, pursuing the minimum risk of environmental impact in all the activities involved in the machine's life cycle.
- ✦ To adapt environmental management to our context, by implementing the necessary processes for the continuous improvement of our environmental performance.
- ✦ To train, to raise awareness and to involve all the GIRBAU team in order to develop and apply good environmental practices.
- ✦ Permanent assessment of the effects on health and the environment that our products and procedures may cause.
- ✦ Collaboration with our suppliers, both those of products and of services, in order to improve their procedures with regard to the environment.
- ✦ To inform all stakeholders about the potential health and environmental risks of our machines and installations, including the protective measures adopted and environmental considerations for their use, maintenance, handling and disposal at the end of their useful life.
- ✦ To establish a permanent communication with all staff and stakeholders, spreading these principles and commitments and promoting environmental management at all times as a task involving participation at all levels.



Pere Girbau i Pous  
General Manager of GIRBAU, S.A.  
Vic, March 26th 2019

## 4. ENVIRONMENTAL MANAGEMENT SYSTEM

Since 2004, GIRBAU has maintained a certified Environmental Management System (EMS) at G1 and G2 to ensure that all its environmental commitments are met.

The GIRBAU Environmental Management System uses three key tools to define and achieve its environmental objectives, including:

- ✦ The EHS (Environment, Health and Safety) Management System Manual. In other words, it integrates the Environmental Management System with the Occupational Health and Safety Management System and its related procedures outlining the responsibilities and activities to support the objectives of our environmental policy.
- ✦ Regular inspections verifying that procedures are properly implemented.
- ✦ Regular environmental audits verify and ensure system efficiency.

GIRBAU's Environmental Committee (EC) serves as a consultative body in environmental matters, ensuring the organization's commitment to the environment, sustainability and continuous improvement. It plays a key role in the implementation, supervision and continuous improvement of the EHS Management System (particularly in environmental matters).

The EC team is composed of: Sustainability Officer, EHS Manager, Operations Director, Production Manager, Maintenance Manager, Environmental Delegates and Environmental Technician.

GIRBAU's Managing Director conducts an annual review of the Management System and works with the EHS Department to produce the System Review Report.



The Environmental Committee monitors environmental management issues and delegates its representation to the Environmental Technician.

The Environmental Technician works with the persons in charge of each section to identify the environmental aspects of every process in their section or area and subsequently evaluate them under both normal and abnormal conditions and/or in emergency situations according to criteria from the Environmental Aspects Matrix (G 312 4 02). The results of this assessment will guide the establishment of operational control procedures.

All GIRBAU employees contribute to the proper functioning of the Environmental Management System. Departmental managers ensure compliance with all established procedures in their respective areas to achieve proper environmental management.

As part of its work to educate and raise awareness of environmental management among its staff, GIRBAU trains new and existing personnel in:

- ✦ The importance of complying with the environmental policy and with EMS procedures and requirements.
- ✦ The key environmental aspects and benefits of more sustainable practices.
- ✦ Their functions and responsibilities in meeting environmental requirements and the response to be given in the event of an emergency situation.



## 5. THE ENVIRONMENTAL IMPACT

In matters of Environmental protection, GIRBAU does not wish to limit its practice to merely complying with current standards and regulations. At GIRBAU there is a culture of respect for the Environment and on many occasions the company has engaged in voluntary Environmental protection work (See Chronology of actions for protection of the environment.)

The two basic premises for the culture of Environmental conservation at GIRBAU are to work with materials that are as non-aggressive as possible and minimize waste generation at the source.

The fact that the products manufactured by GIRBAU do not produce a high level of pollutants (neither during the manufacturing process nor at the end of their useful life) makes the application of corrective measures for Environmental protection easier.

Each year, the data we present in our Environmental Declaration demonstrate alignment with GIRBAU's Environmental Policy commitments.

### EVALUATION METHOD FOR ENVIRONMENTAL ISSUES

Despite the good practices implemented, we are aware that GIRBAU's production activity generates a series of environmental impacts. We have implemented an operating method to identify and evaluate the direct and indirect environmental aspects of all GIRBAU's activities in order to determine which activities require priority attention to prevent, reduce or, where necessary, control their effects.

This operating method is documented in the Environmental Aspects Matrix (G 312 4 02) and applies across all sections and activities that are carried out at GIRBAU's facilities.

The environmental aspects identified are:

- |  |  |
|--|--|
|  Well water consumption   |  Consumption of raw materials     |
|  Mains water consumption  |  Consumption of natural resources |
|  Paper consumption        |  Noise pollution                  |
|  Natural gas consumption  |  Air pollution                    |
|  Propane gas consumption  |  Light pollution                  |
|  Consumption of resources |  Wastewater generation            |
|  Electricity consumption  |  Waste generation                 |

To evaluate direct and indirect aspects under normal conditions, we consider the type of aspect along with its nature, extent/frequency and the opportunities for technological or management improvements in the environmental aspect. Under abnormal or emergency conditions, the likelihood, severity and possibility of implementing technological or management improvements in the environmental aspect are considered.

The indicators used for the assessment of environmental aspects are in line with the decision (EU) 2021/2053 of 8 November 2021 *best environmental management practices, environmental performance indicators and benchmarks of excellence for the fabricated metal products manufacturing sector*.

Our assessment identified the following significant aspects for GIRBAU in 2024:

## SIGNIFICANT ASPECTS IN 2024 (2025 MATRIX RESULT)



ENVIRONMENTAL ASPECT	ENVIRONMENTAL IMPACT	DESCRIPTION	PHASE OF LIFECYCLE	ORIGIN
Mains water consumption (G1 & G2)	Natural resources consumption	G1 water consumption: Machine testing process, Cleaning, Changing rooms/sanitary facilities and Canteen. G2 water consumption: Machine testing process, Cleaning and Changing rooms/sanitary facilities.	A. Design and development C. Production	Direct Environmental Aspect
Well water consumption (G1)	Natural resources consumption	Water consumption in: Machine testing process and Cleaning	A. Design and development	Direct Environmental Aspect
Natural gas consumption (G1 and G2)	Consumption of non-renewable natural resources	Natural gas consumption in G1: Furnaces, Hot air generators, Steam generators and Heating. Natural gas consumption in G2: Machine testing process, Hot air generators, Steam generators and Heating	A. Design and development C. Production	Direct Environmental Aspect
Consumption of raw materials (General)	Consumption of renewable natural resources	Plastic consumption	A. Design and development C. Production D. Sales and distribution	Direct Environmental Aspect
Waste generation (G1)	Energy consumption for treatment, loss of air quality and contribution to global warming	Toner generation	A. Design and development C. Production	Direct Environmental Aspect
		Generation of paper and cardboard	A. Design and development C. Production D. Sales and distribution	Direct Environmental Aspect
		Plastic generation	E. Product use F. End of useful life	Direct Environmental Aspect
	Possible soil pollution and landscape impact (landfills)	Generation of mixed general factory waste	A. Design and development C. Production	Direct Environmental Aspect
Waste generation (G2)	Possible soil pollution and landscape impact (landfills)	Generation of mixed general factory waste	D. Sales and distribution E. Product use F. End of useful life	Direct Environmental Aspect



Significant indirect environmental aspects are associated with a change in assessment criteria. From 2021, they are calculated using the results of the emissions calculation for the carbon footprint scope 3. As the footprint results are not available until June of the following year, the values from the previous year's footprint calculation are used to assess the significance of indirect aspects.

## 6. TARGETS

### STATUS OF ENVIRONMENTAL TARGETS AND GOALS 2024

Below is the evaluation and implementation status of the environmental targets defined for 2024.






GOAL	SDG	SCOPE	DESCRIPTION OF THE ACTIONS	RESPONSIBLE	RESOURCES	PERIOD	INDICATOR	STATUS
Reduction in the generation of packaging waste placed on the market		G1	Modify the protective packaging of the control panel for the EDXL series, removing the plastic.	Plant engineering	Economic	04/24	Reduction in plastic and wood fraction in MITECO packaging declaration/manufactured machines	Goal achieved. Actions included: <ul style="list-style-type: none"> <li>- Boxes for transporting control panels internally without the use of plastic have been implemented. Plastic bubble wrap reduced by five spools over the year.</li> <li>- The new robotic balers were put into operation on 10/24 (one in the EDD area and the other in G3).</li> <li>- Installation of cardboard punching machine for the production of filling.</li> </ul>
		G1 and G2	ROI study for the purchase of new robotic wrappers with pre-stretching head	Plant engineering Maintenance Manager	Economic	10/24		
		G1	Study to replace precoated sheet. With galvanized and painted sheet.	Plant engineering	Economic	12/24		
		G1	Study of reuse of packaging waste for filling for non-electronic spare parts	Intralogistics	Economic	12/24		
		G1	Reduction in the use of wood for spare parts packaging (Wood Packaging Project)	Intralogistics	Economic	12/24		
Reduced water consumption		G1	Filters in taps and showers changed to low-flow aerators (G1)	Maintenance Manager	Economic	11/24	m3 consumed/ million euros	Goal 75% achieved: <ul style="list-style-type: none"> <li>- Filters in taps and showers changed to low-flow aerators in October (with reductions of 80% in taps and 50% in showers).</li> <li>- Water saving plan drawn up in April 2024. Actions scheduled and in progress.</li> <li>- Some large machine programs were changed. 1,078 L (vs. 2917, -63%) HS6110 machine.</li> <li>- The project for installing water recovery systems in the test area for water reuse has been moved forward to 2025.</li> </ul>
		G1	Drafting of the water saving plan and application of the resulting measures	Sustainability Manager Maintenance Manager	Economic	10/24		
		G1	Modification of testing programs in large-capacity machines that utilize water	Plant engineering	Economic	12/24		
		G1	Installation of water recovery systems in the test area for water reuse	Plant engineering	Economic	12/24		

Increase the energy generated by self-consumption		G1	Implement a new photovoltaic panels phase (+245 kWp)	Maintenance Manager	Economic	06/24	Total energy self-consumption	Goal achieved: Fully implemented and operational; self-consumption in G1 amounts to 40%.
Decarbonization works of the plant		G1	Replacement of the natural gas heating boiler in the finance, IT and sat area.	Maintenance Manager	Economic	06/24	Reduced CO <sub>2</sub> emissions	Goal achieved: Change implemented and boiler dismantled over the summer. Energy savings are estimated to be around a GWh, with fewer emissions and capital inflow through the CAE

## 2025 ENVIRONMENTAL TARGETS AND GOALS

Based on the significant environmental aspects deriving from GIRBAU's production activity, we have established the following environmental targets or program for 2025. The achievement of these targets is monitored regularly and reviewed at the Environment Committee meetings.

GOAL	SDG	SCOPE	DESCRIPTION OF THE ACTIONS	RESPONSIBLE	RESOURCES	PERIOD	INDICATOR
Control of the generation of packaging waste placed on the market	 	GSA	Conduct a study to increase the % of plastic materials recycling.	Environmental Technician.	Internal staff.	10/25	Reduction in plastic and wood fraction in MITECO packaging declaration/manufactured machines
		GSA	Implementation of the new SAP-SCRAP integration software.	Environmental Technician.	Economic. Environmental Technician.	06/25	
		GSA - Robotics	Impact and effects of movements between factories on packaging: Study of the impact and full view of the internal logistics flow (Spain vs. FRA).	Environmental Technician.	Environmental Technician.	12/25	KPI: Description of the actions
Reduced water consumption	 	G2, G3	Filters in taps and showers changed to low-flow aerators.	Maintenance Manager.	Economic	09/25	KPI: 5% reduction in water consumption (G2/G3 2024: 1,968 m3). m3 consumed/million euros
		G2, G3	Campaign to raise awareness about water consumption and use.	Maintenance Manager.	Economic	09/25	
		G1	Installation of water recovery systems in the test area for water reuse	Plant engineering Maintenance Manager Head of Sustainability.	Economic	12/25	
		G1	Implementation of software to monitor water consumption and detect leaks in the internal water network of G1.	Maintenance Manager Head of Sustainability.	Economic	09/25	
Promote sustainability culture	  	Girbau Vic	Environmental outreach campaigns	Environmental Technician.	Economic Internal Staff.	12/25	KPI: Roll out four environmental campaigns over the year and train 100% of workers.
		G1, G2, G3	Re-training in environmental management for all G1, G2 and G3 workers.	Environmental Technician.	Economic	12/25	

Decarbonization works of the plant	  	G1	Replacement of the natural gas boiler with factory heating.	Maintenance Manager.	Economic	12/25	KPI: Energy savings of 2 GWh.
Improved waste segregation	 	G1	Improved waste segregation in offices and vending machine areas.	Environmental Technician. Maintenance Manager.	Economic	12/25	KPI: Six packaging collections over the year (vs. 0 in 2024).
		G1	Segregation and recovery of LPDE (transparent film) waste.	Environmental Technician. Maintenance Manager.	Economic	12/25	KPI: Obtain values to work with. KPI: Not exceed 50% of reported incidents due to the quality of recoverable waste
		G2/G3	Study expanding the action for segregation and recovery of LPDE waste.	Environmental Technician. Maintenance Manager.	Economic	12/25	
		G1	Reduction of general/mixed waste fraction.	Environmental Technician. Maintenance Manager.	Economic	12/25	KPI: 10% reduction in the generation of mixed fraction waste compared to 2024/machine manufactured.

## 7. ENVIRONMENTAL BEHAVIOUR

The indicators to assess the organization's environmental performance are listed below.

Relative indicators are given by number of machines manufactured in total (G1+G2). Water is also calculated on the basis of turnover.

The indicators used for the monitoring are in line with the decision (EU) 2021/2053 of 8 November 2021 best environmental management practices, environmental performance indicators and benchmarks of excellence for the fabricated metal products manufacturing sector. The number of machines produced is considered instead of the weight of the finished product.

	2021	2022	2023	2024
No. of machines manufactured	10,696	11,248	11,421	9,086
Turnover (millions of €)	80.0	107.4	126.9	137.6

Table 7.1 Production data and turnover

### 7.1. CONSUMPTION OF NATURAL RESOURCES

#### WATER

In the G1 factory, water is supplied from two wells belonging to the company, one 50m deep and the other 90m.

In addition, water from the Aigües Vic public water supply is used in toilets and showers, as well as in coffee machines and as refrigerated drinking water.

The water supplied from the public water mains is used in the surface finishing processes (in the de-greasing and rinsing baths), for demineralizing, air-conditioning and eyebaths.

At the G2 factory, the water is supplied from Vic mains water only and is used in the industrial processes and for cold drinking water, beverage machines, washrooms and evaporative air coolers.

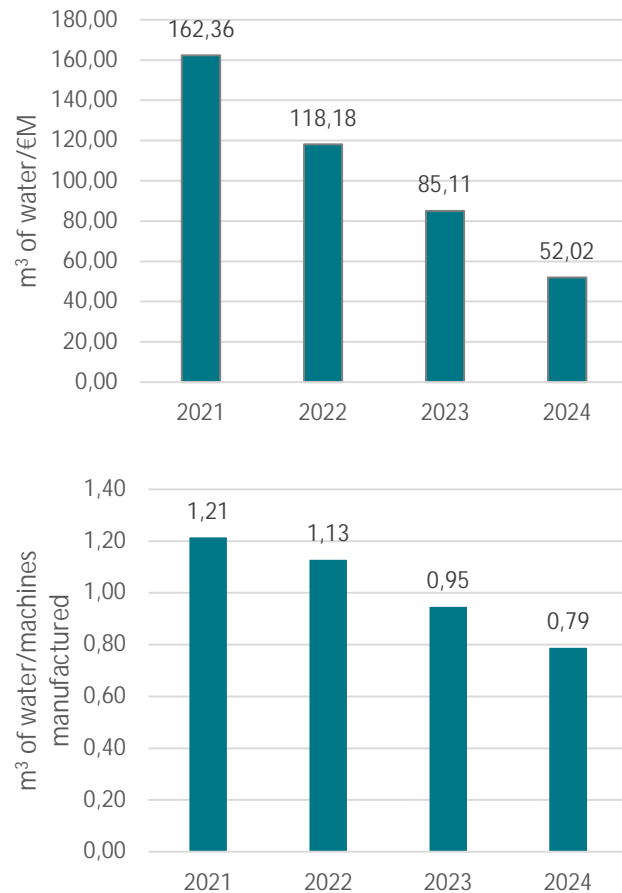
The Water Savings Plan was developed in 2024 and included measures to reduce water consumption, such as modifying machine testing programs and installing low-flow regulators in taps and showers. These actions have helped significantly reduce annual water consumption.

	2021		2022		2023		2024	
	G1	G2	G1	G2	G1	G2	G1	G2
Aigües Vic (m³)	5,019	6,890	6,568	3,180	6,181	2,533	3,952	1,968
Own supply (m³)	1,080	Not available	2,944	Not available	2,087	Not available	1,240	Not available
Total factory water consumption (m³)	6,099	6,890	9,512	3,180	8,268	2,533	5,192	1,968
Total water consumption (m³)	12,989		12,692		10,801		7,160	

Table 7.1.1. Water consumption<sup>2</sup>

<sup>2</sup> Water consumption data are taken from the readings of the digital meters located at the mains water inlet of the factories and the pumping outlet of the wells.

## Water consumption indicators



## ENERGY

The production activity has required the following consumption of electricity, natural gas and fuels of own fleet. In March 2019, the installation of solar panels began, with a power of 99 kWp. An additional 210 kWp were installed in 2022 and, during 2023, 600 new panels were installed with a power of 410 kWp each.

In 2024, the fourth and final phase of the photovoltaic installation was launched at G1 with 240 kWp power.



	2021	2022	2023	2024
G1 (MWh)	1,994	1,986	1,966	1,120
G2 (MWh)	629	551	412	381
Total Consumption (MWh)	2,623	2,537	2,378	1,501

Table 7.1.2. Total electricity consumption<sup>3</sup>

<sup>3</sup> According to billing data in the case of mains supply and the web platform for photovoltaic panel production with inverter data.

GIRBAU uses electric power for machine operation and lighting in general. During 2023, we changed energy supplier (Iberdrola Clientes SAU) and signed up for energy with a renewable energy certificate for the G1 and G2 plants (among others).

	2021		2022		2023		2024	
	G1	G2	G1	G2	G1	G2	G1	G2
Non-renewable mains power (MWh)	1,341	450	1,198	407	0	0	0	0
Renewable mains power (MWh) <sup>4</sup>	535	179	455	144	1,576	412	1,121	382
PV solar panels for self-consumption (MWh) <sup>5</sup>	118	---	243	---	390	---	562	---
Total consumption (incl. MWh self-consumption)	2,623		2,447		2,378		2,065	
Total non-renewables consumption (MWh)	1,791		1,605		0		0	
Total non-renewables consumption (%)	68.30		65.59		0.00		0.00	
Total renewables consumption (MWh)	832 (including solar)		842 (including solar)		2,378 (including solar)		2,065 (including solar)	
Total renewables consumption (%)	31.70		34.41		100.00		100.00	
Total renewables consumption produced (MWh)	118		243		390		562	
Total renewable consumption produced (%)	4.50		9.93		16.40		27.23	

Table 7.1.3 Consumption of electricity according to origin

<sup>4</sup> In 2024, the energy retailer was Iberdrola Client SAU and we have contracted energy with a certificate of renewable origin for the G1 and G2 plants.

<sup>5</sup> The photovoltaic panel data are extracted from the LACECAL application, except for the first 4 months of 2024, which were saved from the monthly reports.

Natural gas is also used for the operation of ovens, hot air generators, steam generators and heating.

	2021	2022	2023	2024
G1 (MWh)	3,979	3,461	2,452	2,495
G2 (MWh)	2,190	1,883	1,751	1,806
Total Consumption (MWh)	6,169	5,344	4,203	4,301

Table 7.1.4. Consumption of natural gas according to invoice data (NUS)

Since 2022, Girbau has had an internal policy on the purchase of company vehicles. According to this, priority will be given to the electric vehicle, the plug-in hybrid vehicle or the diesel vehicle where there is no possibility of charging. Moreover, in some cases, type C diesel is used in stationary sources.

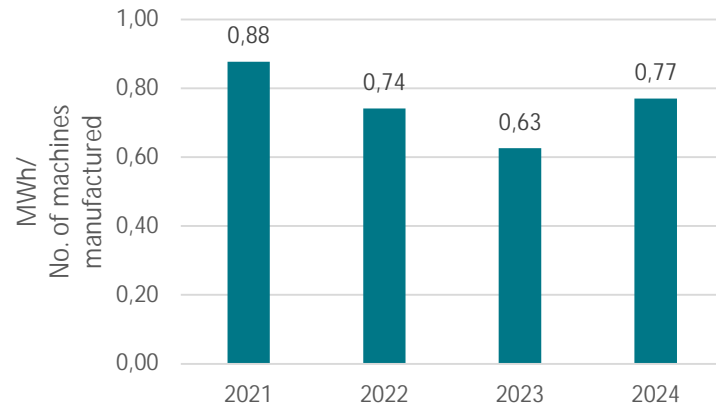
	2021	2022	2023	2024
Diesel (MWh)	494	362	378	373
Petrol (MWh)	95	184	185	261
Diesel (MWh)	7	20	47	53
Total Consumption (MWh)	596	566	610	687

Table 7.1.5. Fuel consumption according to suppliers' data<sup>6</sup>

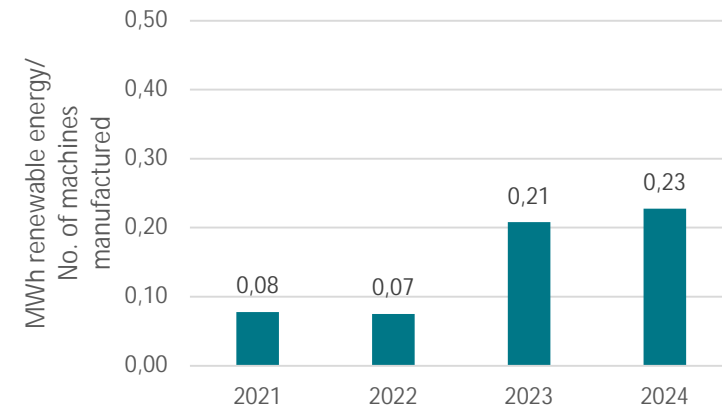
<sup>6</sup> In 2021 they are reported for the first time according to the carbon footprint. The DEFRA GHG conversion factors for 2021, 2022, 2023 and 2024 have been used.

## Power supply indicators

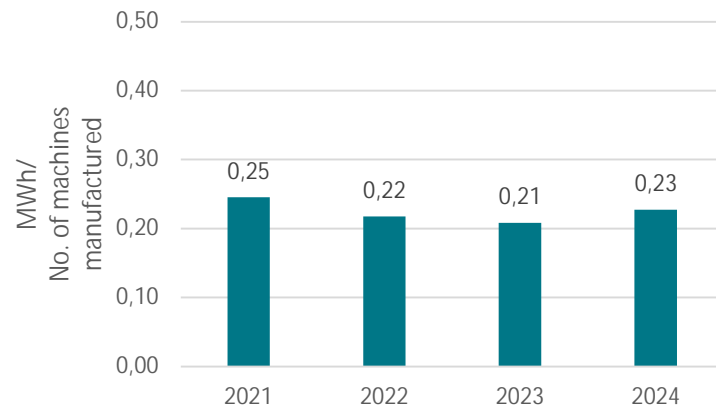
Total direct energy consumption (electricity, natural gas and fuels):  
MWh/number of machines manufactured



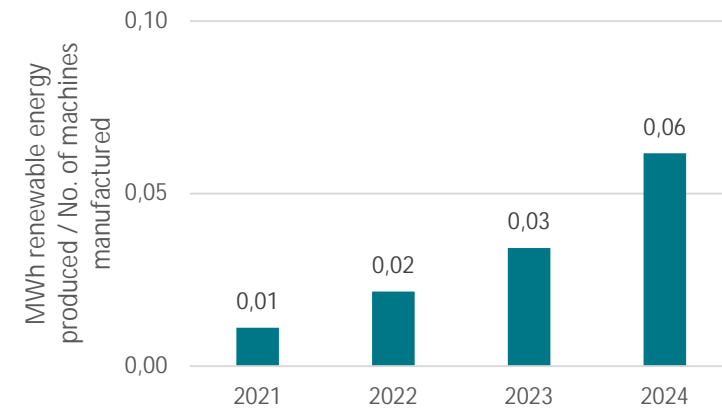
Electricity:  
MWh renewable energy/number of machines manufactured



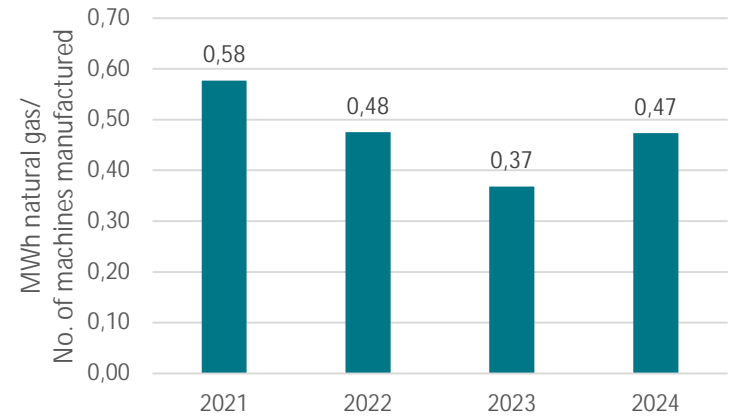
Electricity:  
MWh/number of machines manufactured



Electricity:  
MWh renewable energy produced/number of machines manufactured



Natural gas: MWh/number of machines manufactured

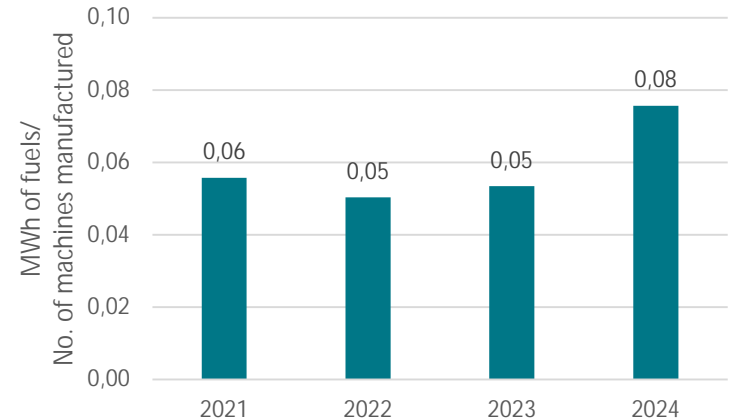


During 2023, we completed the third phase of photovoltaic panel installation and, in 2024, we commissioned the fourth and final phase of installation at G1, with 240kWp of power. Of the energy generated, one part is used for self-consumption, another part cannot be used since it is generated during periods of no activity (holidays, weekends, etc.)

	2021	2022	2023	2024
Energy generated from photovoltaic panels (MWh)	118	354	557	834

Table 7.1.6 Energy generated by photovoltaic panels

Fuels: MWh/number of machines manufactured



## RAW MATERIALS

The main raw materials consumed are shown below.

### Raw metals:

	2021	2022	2023	2024
Cast iron (t)	317	324	311	150
Stainless steel (t)	1,956	1,953	1,738	1,733
Steel (t)	1,929	2,324	1,626	1,698
Aluminum (t)	296	187	189	291
Total (t)	4,500	4,788	3,864	3,872

Table 7.1.7. Consumption of Raw Metals<sup>7</sup>

### Paint raw materials:

	2021	2022	2023	2024
Paint (kg)	18,088	17,420	13,000	11,373
Solvent (kg)	1,068	736	40	0
Total (kg)	19,156	18,156	13,040	11,373

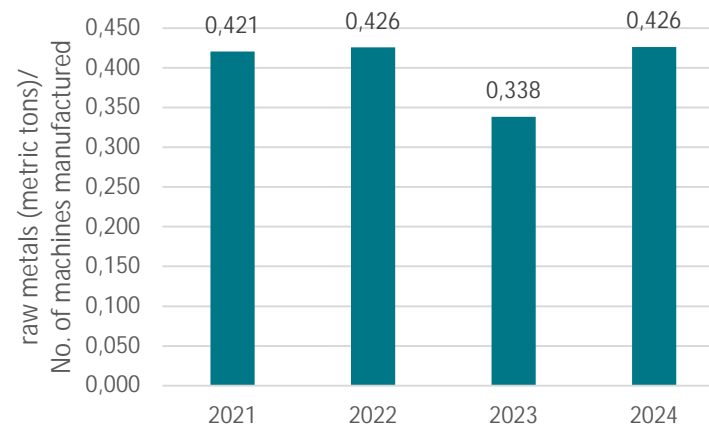
Table 7.1.8. Paint Consumption<sup>8</sup>

The new painting tunnel installation has eliminated the need for primer paint application. We have also continued our ongoing initiative to phase out solvent use.

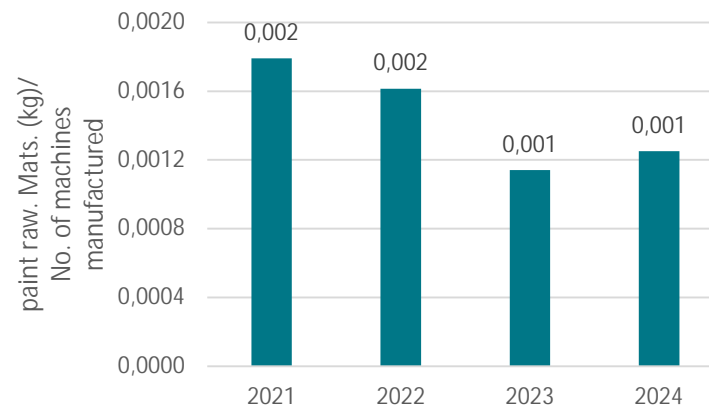
<sup>7</sup> The data of the consumption of metal raw materials have been obtained from the company's ERP.

## Material consumption indicators

### Raw metals:



### Paint raw materials:



<sup>8</sup> The data of the paint consumption have been obtained from the company's ERP.

## 7.2. WASTE GENERATION

The amounts<sup>9</sup> and types of waste generated in recent years are listed below.

	2021		2022		2023		2024		
Type of waste and hazard rating <sup>10</sup>	G1	G2	G1	G2	G1	G2	G1	G2	Treatment <sup>11</sup>
Cast iron, steel and scrap (t) (NH)	896.13	-	845.15	-	824.44	-	745.86	-	Recovery
Copper (t) (NH)	2.20	-	2.79	-	1.89	-	1.38	-	Recovery
Aluminum (t) (NH)	1.54	-	0.96	-	2.88	-	1.74	-	Recovery
Stainless steel (t) (NH)	174.61	-	222.92	-	295.17	-	191.24	-	Recovery
Powder from the laser (t) (NH)	0.55	-	0.795	-	0.44	-	0.70	-	Disposal
Fluorescent tubes (t) (H)	0.11	-	0.074	-	0.10	-	0.06	-	Recovery
Paper and cardboard (t) (NH)	31.33	28.75	35.10	21.58	40.18	22.68	42.17	14.87	Recovery
Toners (t) (NH)	0.01	-	0.03	-	0.040	-	0.044	-	Recovery
General factory waste (t) (NH)	34.16	14.37	41.57	12.90	44.77	14.7	28.3	17.82	Disposal
Hydraulic fluids (t) (H)	1.62	-	0.54	-	1.08	-	1.12	-	Recovery
Drums that have contained hazardous substances (t) (P)	0.69	0.15	1.47	0.26	0.20	0.25	0.38	0.67	Recovery
Airbrush and absorbent paint filters (t) (H)	0.95	-	0.41	-	0.15	-	0.11	-	Disposal
Powder paint (t) (H)	7.98	-	5.84	-	4.15	-	3.29	-	Disposal
Wood remains (t) (NH)	38.37	44.08	74.61	58.02	116.4	47.11	115.03	42.58	Recovery
Solvent (t)(H)	0.75	-	0.40	-	0.004	-	0	-	Disposal
Electric motors (t) (NH)	0.59	-	0.71	-	1.48	-	1.42	-	Recovery
Rubble from rehabilitating industrial buildings (t) (NH)	22.95	-	30.16	-	18.16	-	0	-	Disposal
I.T. and electrical material (t) (NH)	0.82	-	1.1	-	0.86	-	1	-	Recovery
Degreasing liquids (t) (H)	18.10	-	15.22	-	8.76	-	11.52	-	Disposal
Traction batteries (t) (H)	0.31	-	0.09	-	0.11	-	0	-	Recovery
Aerosols (t) (H)	0.11	-	0.10	-	0.01	-	0.01	-	Recovery

<sup>9</sup> The amounts of waste shown are those declared in the Waste Statements and they come from the waste output control record.

<sup>10</sup> The hazard is indicated in accordance with the European Waste Catalogue with the initials H: hazardous and NH: not hazardous.

<sup>11</sup> In accordance with the data from the waste statements.

Glass (t) (NH)	8.20	-	4.82	-	0	-	1.84		Recovery
Spent activated carbon (t) (NH)	0.75	-	0	-	0.31	-	0		Recovery
Vegetable oil (t) (NH)	-	-	0.08	-	0.05	-	0.05		Recovery
Plastic (t) (NH)	-	-	0.97	-	0.06	-	0		Recovery
Laboratory reagents (H)	-	-	0.01	-	-	-	0.06		Disposal
Construction materials containing asbestos (H)	-	-	27.40	-	26.66		19.20		Disposal
Electrical wires (NH)	-	-	-	-	3.75	-	1.38		Recovery
TOTAL (t)	1,243.83	87.35	1,313.32	92.76	1,392.10	84.74	1,167.90	75.94	
	1,330.18		1,406.08		1,476.84		1,243.84		

Table 7.2.1 Waste generated at GIRBAU

## Waste indicators

% Hazardous waste, % Non-hazardous waste

2021:

Hazardous waste: 30.77 t → 2.31 %

Non-hazardous waste: 1,299.41 t → 97.69%

2022:

Hazardous waste: 134.04 t → 9.53 %

Non-hazardous waste: 1,272.03 → 90.47%

2023:

Hazardous waste: 121.45 t → 8.22%

Non-hazardous waste: 1,355.39 t → 91.78 %

2024:

Hazardous waste: 94.2 t → 7.34%

Non-hazardous waste: 1,149.64 t → 92.43 %

% Non-recovered waste, % waste recovered

2021:

Non-recovered: 99.81 t → 7.50 %

Recovered: 1,230.37 t → 92.50%

2022:

Non-recovered: 134.70 t → 9.58 %

Recovered: 1,271.37 t → 90.42 %

2023:

Non-recovered: 117.79 t → 7.98 %

Recovered: 1,359.05 t → 92.02 %

2024:

Non-recovered: 81 t → 6.31 %

Recovered: 1,162.84 t → 93.49 %

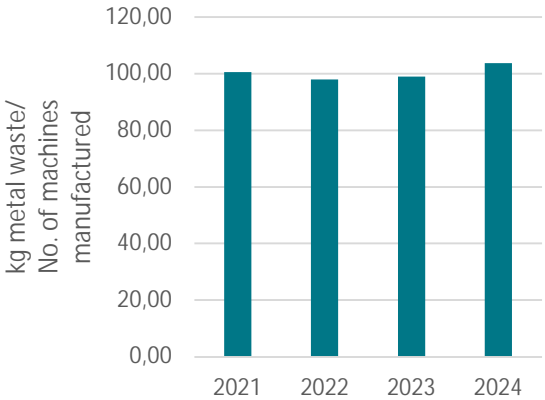
All waste generated in GIRBAU. is treated by waste managers authorized by the Agència de Residus de la Generalitat de Catalunya (Waste Board).

In the case of cardboard, it should be highlighted that GIRBAU reuses this material internally thanks to different points set up for its collection at both the G1 and G2 factories.

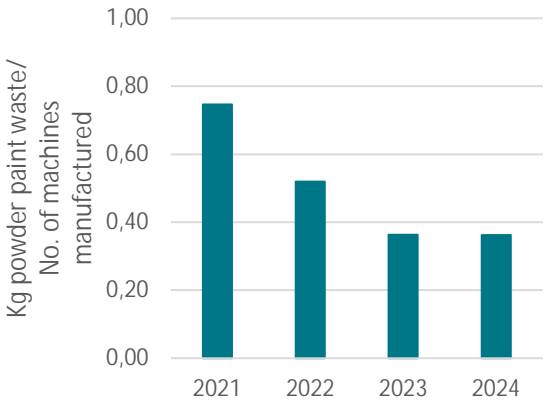
There has been a significant reduction in rubble waste due to the completion of the renovation work stage of the buildings. The increase in the generation of wooden remains is due to the changes in the packaging of raw materials.

Total waste production has fallen slightly from 2023 in absolute values (1,476.84 metric tons in 2023 compared to 1,243.84 metric tons in 2024).

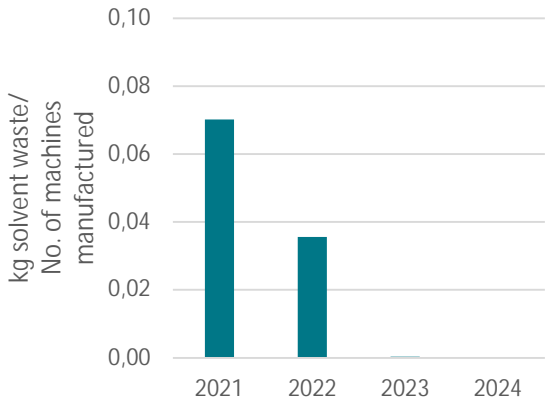
Kg metal waste



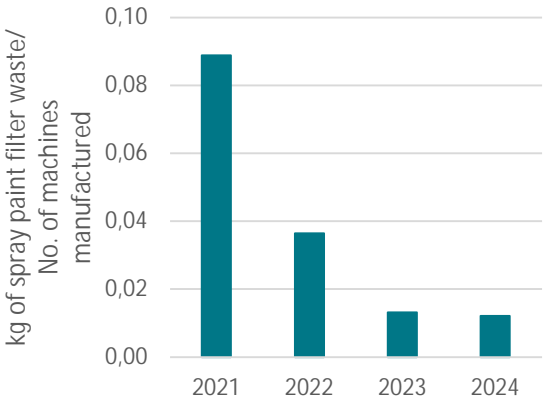
Kg powder paint waste



kg of solvent waste



kg of spray paint filter waste



The materials resulting from installing the new roof continue to be classified as hazardous and non-recovered waste in 2024 as they contained asbestos.

Our hazardous waste percentage has decreased through reduced generation of waste such as fluorescent tubes, spray paint filters, absorbents, powder paints, solvents, traction batteries, and asbestos-containing construction materials.

Metal waste indicators show a slight increase in 2024, reflecting higher raw material consumption for the high proportion of large-capacity machinery production, while powder paint, solvent, and filter waste indicators remain at similar values.

## 7.3. ATMOSPHERIC EMISSIONS

GIRBAU has a total of 30 sources of emissions into the external atmosphere, 18 located in G1 and 12 in G2. Of the 18 sources of emission in G1, 11 correspond to industrial processes and the remaining 7 are from natural gas combustion for the heating. In the case of factory G2, the 12 existing sources are of natural gas combustion and only 2 of them are considered industrial. GIRBAU has the corresponding record books for these points and controls them in accordance with the legislation in force.

The main direct atmospheric emissions derive from the combustion of natural gas for heating and fuels used by the vehicle fleet, and the leakage of refrigerant gases. They are set out in the following tables:

	2021		2022		2023		2024	
	G1	G2	G1	G2	G1	G2	G1	G2
GHG emissions (t eq CO <sub>2</sub> ) <sup>12</sup> (scope 1)	805.78	443.48	701.20	381.50	496.74	354.70	505.57	365.82
Total t CO <sub>2</sub> eq (scope 1)	1,249.26		1,082.70		851.43		871.39	
NOx emissions (t NOx) <sup>13</sup>	0.54	0.30	0.47	0.26	0.34	0.24	0.34	0.25
Total t NOx	0.84		0.73		0.57		0.59	
PM emissions (t PM) <sup>14</sup>	0.0029	0.0016	0.0025	0.0014	0.0018	0.0013	0.0018	0.0013
Total t PM	0.0045		0.0038		0.0030		0.0031	

Table 7.3.1. Direct emissions resulting from the combustion of natural gas

	2021		2022		2023		2024	
	G1	G2	G1	G2	G1	G2	G1	G2
R-134A leak <sup>14</sup> (t eq CO <sub>2</sub> )	0.72	0	0	0	0	0	0	0
R-410A leak (t eq CO <sub>2</sub> )	22.38	0	7.31	0	5.77	0	7.31	0
R-407C leak (t eq CO <sub>2</sub> )	13.31	0	0	0	25.98	0	0	0
R-S70/R-S32 leaks (t eq CO <sub>2</sub> )	17.65	0	0.44	0	1.31	0	33.26	0
Total leaks t eq CO <sub>2</sub>	54.06		7.75		33.06		40.57	

Table 7.3.2. Direct emissions from the leakage of refrigerant gases

<sup>12</sup> In 2024 the calculation of GHG emissions has taken into account the emission factor of 2007 IPCC Guidelines for National Greenhouse Gas Inventories (AR5) + DEFRA 2024 - Fuel properties. 2023 values recalculated in this Declaration with respect to the previous one due to an error in the emission factor.

<sup>13</sup> Estimated values for 2024 considering the atmospheric pollutant emission factors for 2022 of the Directorate-General for Energy and Climate Change of the Government of the Balearic Islands: 38 g NOx /GJ and 0,2 g Particles/GJ.

<sup>14</sup> For the calculation of CO2 emissions from fluorinated gases, the Intergovernmental Panel on Climate change (IPCC) Fifth Assessment Report (AR5) over a 100-year period has been taken into account.

	2021	2022	2023	2024
Diesel GEH emissions (t eq CO <sub>2</sub> ) <sup>15</sup> (scope 1)	147.77	113.39	99.43	91.29
SO <sub>2</sub> emissions (t SOx) <sup>16</sup>	0.0007	0.0005	0.0005	0.0005
NOx emissions (t NOx) <sup>17</sup>	0.65	0.43	0.43	0.40
PM emissions (t PM) <sup>17</sup>	0.13	0.09	0.09	0.08

Table 7.3.3 Direct emissions resulting from the vehicle fleet diesel consumption.

	2021	2022	2023	2024
Petrol GEH emissions (t eq CO <sub>2</sub> ) (scope 1) <sup>16</sup>	21.84	32.54	47.87	58.95
SO <sub>2</sub> emissions (t SOx) <sup>17</sup>	0.0001	0.0002	0.0002	0.0003
NOx emissions (t NOx) <sup>17</sup>	0.06	0.12	0.14	0.19
PM emissions (t PM) <sup>17</sup>	0.0002	0.0004	0.0005	0.0007

Table 7.3.4 Direct emissions resulting from the vehicle fleet petrol consumption.

In addition, indirect atmospheric emissions resulting from the consumption of electricity need to be taken into consideration.

	2021		2022		2023		2024	
	G1	G2	G1	G2	G1	G2	G1	G2
Power supply GEH emissions (t eq CO <sub>2</sub> ) (scope 2) <sup>17</sup>	356.54	119.52	353.83	111.85	0.00	0.00	0.00	0.00
Total t CO <sub>2</sub> eq (scope 2)	476.07		465.68		0.00		0.00	
Nox emissions (t NOx) <sup>18</sup>	1.38	0.46	1.16	0.37	0.98	0.26	0.71	0.19
Total t NOx	1.84		1.52		1.24		0.90	
SOx emissions (t SOx) <sup>21</sup>	1.21	0.41	0.43	0.13	0.23	0.06	0.17	0.04
Total t SOx	1.62		0.56		0.29		0.22	
PM emissions (t PM) <sup>21</sup>	0.03	0.01	0.04	0.01	0.03	0.01	0.01	0.00
Total t PM	0.04		0.06		0.04		0.02	

Table 7.3.5. Indirect atmospheric emissions resulting from the consumption of electricity

<sup>15</sup> In 2024 the calculation of GHG emissions has taken into account the emission factor of 2008 and 2009 IPCC Guidelines for National Greenhouse Gas Inventories (AR5) + DEFRA 2024 - Fuel properties.

<sup>16</sup> Estimated values for 2024 considering the atmospheric pollutant emission factors for 2022 of the Directorate-General for Energy and Climate Change of the Government of the Balearic Islands: 0.015 g SO<sub>2</sub> /kg fuel, 12.96 g NOx /kg fuel, 1 g Particles / kg fuel.

<sup>17</sup> Values obtained through Red Eléctrica Española (Spanish Electric Network) (2021 and 2022). For 2023 and 2024, we have renewable origin certificates.

<sup>18</sup> Estimated values considering the atmospheric pollutant emission factors for 2022 of the Directorate-General for Energy and Climate Change of the Government of the Balearic Islands

## GEH emission indicators

Total GHG emissions:

t eq CO<sub>2</sub> /No. of machines

2021: 0,18 (natural gas, fuels, refrigerant gases and electricity)

2022: 0,15 (natural gas, fuels, refrigerant gases and electricity)

2023: 0.09<sup>19</sup> (natural gas, fuels, refrigerant gases and electricity)

2024: 0,12 (natural gas, fuels, refrigerant gases and electricity)

Direct CO<sub>2</sub> emission indicators have increased compared to the previous year, due to the decrease in the total number of machines manufactured.

Source	Emission level <sup>20</sup>			Legal limit (mgC/Nm <sup>3</sup> )
Source 22 Plate Satination (Registry No. 12289)	PST	2 mg/Nm <sup>3</sup>	20.1 g/h	150
Source 23 Ring Satination (Registry n°12285)	PST	< 3 mg/Nm <sup>3</sup>	< 5.73 g/h	150

Table 7.3.6. G1 industrial process emission sources

<sup>19</sup>Value recalculated in this Declaration with respect to the previous one due to an error in the emission factor.

<sup>20</sup> Source: DEKRA emission control report ref. 00198\_002-EA\_13904AIR01\_iem\_01 (year 2022).

## 7.4 ENVIRONMENTAL ASPECTS OF OUR MACHINES

GIRBAU is aware of the environmental impact in the phase during which their machines are in use, which is why the fundamental premise of the organization is the continuous improvement of the machinery that it manufactures, seeking mainly energy efficiency and the reduction of water consumption.

GIRBAU meets the industry's most stringent international standards (e.g. the British WTL water consumption standard), establishing our position as a pioneer and leader in the sector.

In the area of energy efficiency, it is in line with the guidelines being drafted by the technical commission, of which GIRBAU is also a part, for the energy labelling of washing machines.

With the aim of ensuring that the phase during which the machine is used is the most environmentally efficient, GIRBAU commissions installation by conducting training, either directly via distributors or at the Girbau Experience Center, supported by the machine's user manual, where, among other things, instruction is given on how to manage the waste once the machine reaches the end of its life cycle.

In 2023, we launched the G-Green team. Led by People and Sustainability departments, it is a working group that aims to promote actions related to sustainability and positive impact on the planet and the community, creating and fostering a respectful awareness of the planet and people through small actions. The Energy Advisory Program was also created that year. The creation of this unique program addresses one of the main challenges of our customers in Spain, the increase in energy costs.

The program combines sustainability and trust with the client and offers energy consulting services in collaboration with a trusted expert. This

energy advisory service is partially covered by Girbau and aims to reduce the energy bill of our customers and facilitate their transition to green energy sources.

To reduce our scope 3 footprint, we are committed to offering a comprehensive solution that benefits both our customers and the environment.



## 7.5 BEST ENVIRONMENTAL MANAGEMENT PRACTICES

The indicators used for the monitoring are in line with the decision (EU) 2021/2053 of 8 November 2021 best environmental management practices, environmental performance indicators and benchmarks of excellence for the fabricated metal products manufacturing sector. The following table shows the correlations of those indicators and MPGM that are being considered:

Indicator	Units	EMAS related basic indicator	Associated MPGM <sup>21</sup>	Environmental Statement page
Efficiency in the use of resources	kg of finished products /kg of incoming materials	Efficient consumption of materials	3.1.1, 3.3.3, 3.3.6, 3.3.7	Page 30
Power consumption	kWh/kg of finished product or manufactured parts	Energy efficiency	3.1.3, 3.3.3, 3.3.4, 3.3.7	Page 28
Proportion of electricity from renewable sources (whether self-generated or purchased) of total consumption of electricity:	%	Energy efficiency	3.2.5	Page 27

<sup>21</sup> Refer to the sections of decision (EU) 2021/2053 of 8 November 2021

## 8. LEGAL COMPLIANCE

GIRBAU declares that it complies with the environmental legislation applicable to its facilities. Although some requirements are in process.

The main regulations applicable are listed below:

- ✦ Law 20/2009 and subsequent amendments, concerning environmental licensing (G1 i G2), Appendix II.2. exempt from periodical controls as a result of having EMAS.
- ✦ Registration in the Industrial Registry.
- ✦ Low and high voltage installation in accordance with R.D. 337/2014 of 9 May and RD 842/02 of 2 August respectively.
- ✦ R.D. 656/2017, approving the regulations concerning storage of chemical products, and their Complementary Instructions. Change from category 2 to category 1 in the storage of compressed gases (APQ 05) since flammable gases are not used and the number of reserve inert gas cylinders has been reduced below 200Nm<sup>3</sup>. Update document in the RITSIC dated 29/01/2024. The flammable warehouse (APQ 01) has been de-registered; deregistration document in the RITSIC dated 30/01/2024.
- ✦ R.D. 849/1986 Regulations concerning the Hydraulic Public Domain, and R.D.L.1/2001 approving the Water Law. It has the concession for both wells dated 26.07.2001 by the ACA (Well 1-753) and dated 23.01.2001 by the Directorate General of Mines (Western factory well).
- ✦ Permit for discharging wastewater generated, from Osona District Council, for both factories in accordance with the maximum admissible limits of the discharge characteristics of Annex II of Decree 130/2003, of 13 May, approving the regulation of public sewerage services.
- ✦ R.D. 110/2015, about waste from electrical and electronic devices. Declaration of producer of waste Products from Electrical and Electronic devices RAEE 02-28-06, registered at the Ministry of Industry, Tourism and Commerce (*Ministeri d'Industria, Turisme i Comerç*) as manufacturer No. 3533 dated November 9, 2010.
- ✦ R.D. 244/2019, of April 5, governing the administrative, technical and economic conditions for the self-consumption of electric energy
- ✦ Royal Decree 487/2022, of June 21, establishing the health requirements for the prevention and control of legionellosis.
- ✦ Law 7/2022, of 8 April, on waste and contaminated soils for a circular economy. In the process of joining an Extended Manufacturer Responsibility system.
- ✦ Royal Decree 1055/2022, of 27 December, establishes the legal regime applicable to packaging and packaging waste to prevent and reduce its impact on the environment throughout the life cycle.
- ✦ Decree-Law 1/2023, of February 28, establishing extraordinary and urgent measures to deal with the situation of exceptional drought in the area of the river basin district of Catalonia.
- ✦ Law 9/2023, of May 19, on extraordinary and urgent measures to tackle the situation of exceptional drought in Catalonia.

## 9. INFORMATION, COMMUNICATION AND AWARENESS-RAISING

To foster ongoing communication regarding GIRBAU's relationship with the environment, the General Manager of GIRBAU serves as the company's point of contact for all stakeholder inquiries and dialog regarding this topic.

The General Manager will also ensure that this Declaration is delivered to Vic Town Council, the Generalitat and all those who may require it.

Where deemed appropriate, requests made by external interested parties will be considered when setting improvement goals.



## 10. ENVIRONMENTAL CHECK

GIRBAU has the EMAS-ES-CAT-00152 record and validates the Environmental Statement on an annual basis. The details of the Statement are updated annually and are available on GIRBAU's website: [www.girbau.com](http://www.girbau.com)

This environmental statement is the first validation of changes in respect of the content of previous Environmental Statements.

General Manager of Girbau, S.A.:



Mr. Pere Girbau i Pous

Checked by: