

ST
SERIES



ST Series dryer
THE NEW ERA OF DRYING

ST1302
ST2700



GIRBAU

ST DRYERS THE NEW ERA OF DRYING

ST1302/ST2700

Continuous washing system



ST1302/ST2700

OPL



LEADER IN EFFICIENCY

The dryers are designed to dry with maximum energy efficiency. With a drying time of less than 11 minutes the **ST2700** and 13 minutes the **ST1302**, and a consumption per litre of evaporated water* of 1.06 kWh the **ST2700** and 1.14 kWh the **ST1302**, they are a leader in efficiency and in environmentally friendly operation.

(*) conditions according to the ISO 9398-2 standard

+ MAXIMUM PERFORMANCE THE POWER OF CROSS FLOW

The exclusive **AXIAL FLOW** air flow (patented by Girbau) in the ST1302 and **TRANS FLOW** in the ST2700 ensure that 100% of the hot air passes through the linen, giving excellent performance.

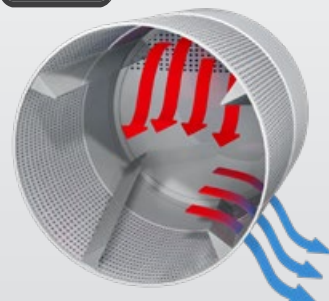
These air flows ensure that the extraction vapour is emitted at low temperatures (about 80°C). The performance is far above that of a conventional dryer with built-in recoverer.

AXIAL FLOW and **TRANS FLOW** systems deliver much more heating power to the linen than conventional systems. We have also cut cycle time by 50%.

**Axial
FLOW**



**Trans
FLOW**



**Care
Touch**
Drum

**MAXIMUM
CARE OF
THE LINEN**



AXIAL FLOW air circulation does not need a perforated drum, meaning the temperature can be lower than in radial dryers.

In the **TRANS FLOW** system the drum is perforated to let the air out.

These factors ensure a much more gentle treatment of the linen than in traditional dryers, thereby extending its life.





— MINIMUM CONSUMPTION

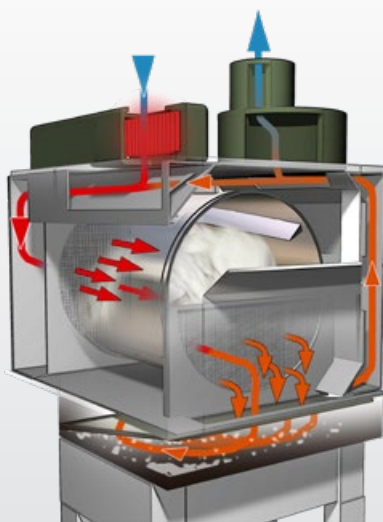
Girbau's aim has been to manufacture the most efficient and most environmentally friendly dryer with the highest drying quality.

ECOFLOW, the built-in air flow recirculation system, is a key to obtaining this (available in the GAS version).

In addition, the atmospheric burner modulates the delivery of heating power required, by adjusting it at all times to the needs of each drying phase cycle.



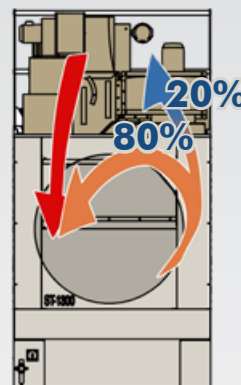
air flow with recirculation for ST2700/G



air flow with recirculation for ST1302/G



ECOFLOW: RECIRCULATION



The recirculation system designed by Girbau ensures that the machine is **highly efficient** with **minimum power consumption**.

During the drying cycle the **ECOFLOW** system uses an adjustable port to re-circulate the flow needed to achieve optimum machine performance.

Re-circulating around **80%** of the **nominal flow** saves a significant amount of energy, since the air that is reused is at a high temperature.

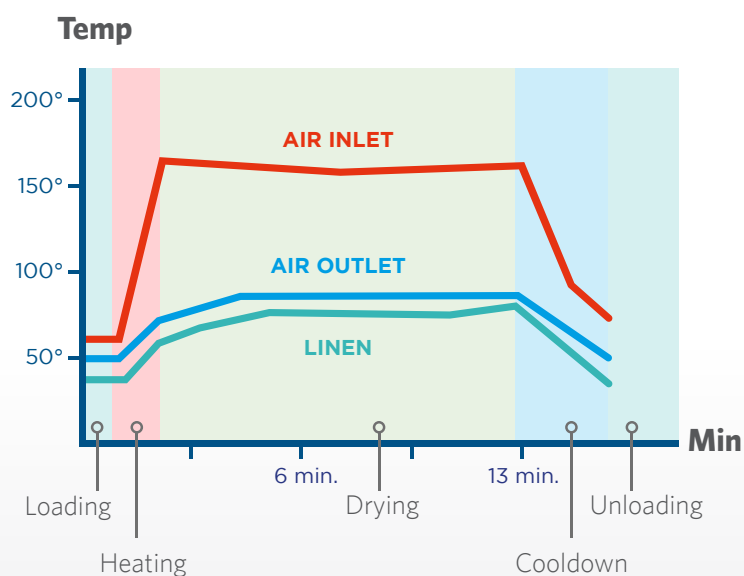


SPEED

As well as offering maximum efficiency and minimum consumption, the **ST** dryers are able to complete a drying cycle in the shortest time possible*.
(Loading + Drying + Cool down + Unloading).

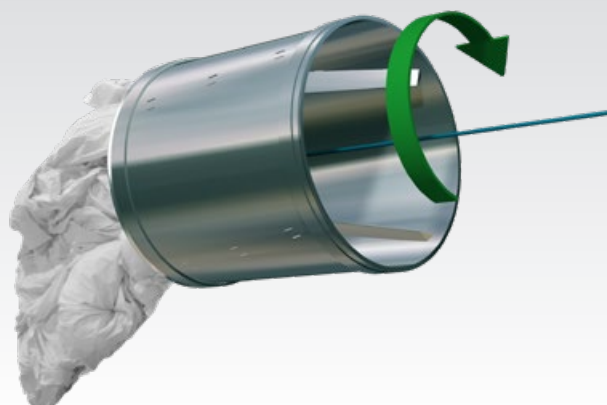
The graph shows all the phases of a drying process.

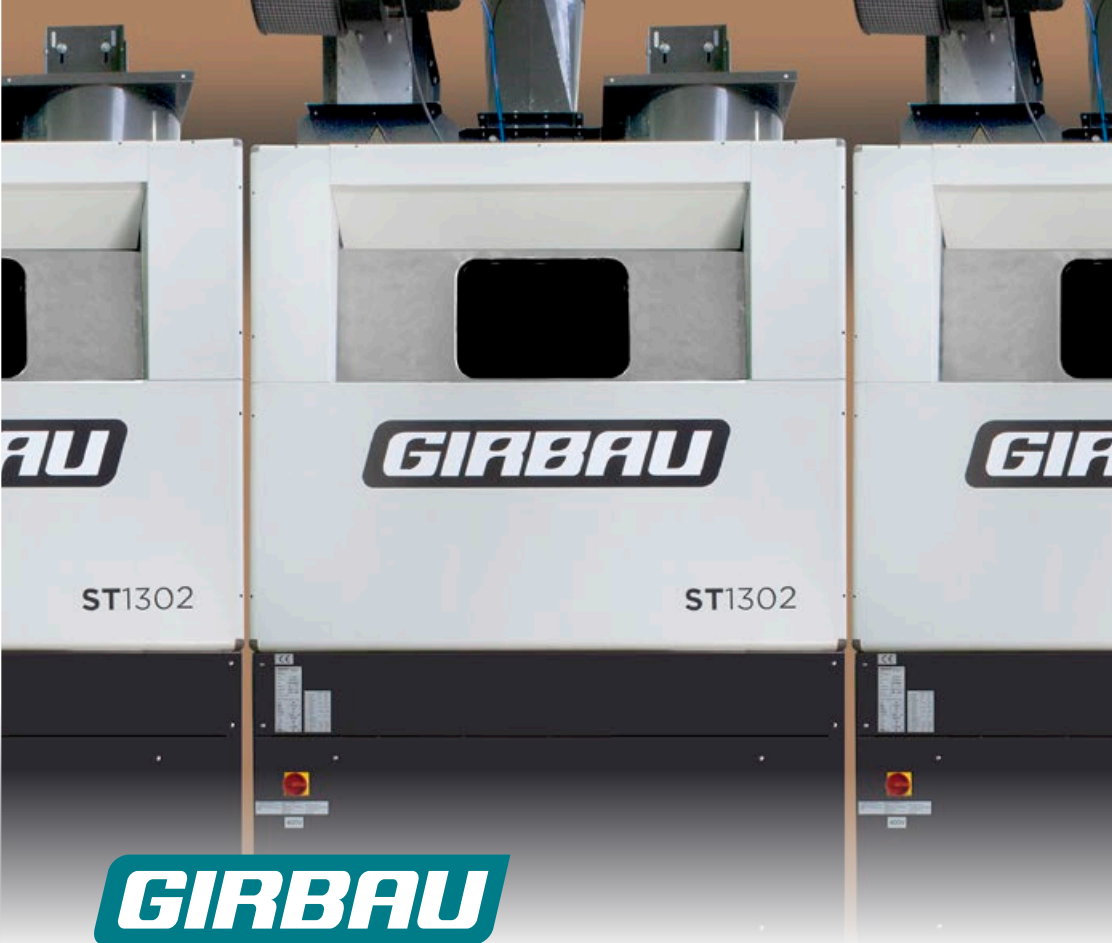
(*) conditions according to the ISO 9398-2 standard



SPIROTILT UNLOADING SYSTEM

The patented **SPIROTILT** system makes unloading very easy thanks to its tilted drum design with adjustable height helical blades. This unique system allows linen to be unloaded at the same time as cleaning the filter. It also minimises air pollution in the laundry and heat loss during unloading.





STURDINESS AND SIMPLICITY

The simplicity of its design and its sturdy construction ensure maximum durability with far less maintenance.

MINIMUM SPACE

The ST Dryers are designed to make the most of available space. Maintenance is carried out through the front and back of the units, allowing the machines to be installed without leaving a space between them.

GIRBAU

HEATING SYSTEMS

• STEAM AND THERMAL FLUID:

The steam or thermal fluid coil ensures high performance and excellent efficiency.

• GAS:

Girbau's extensive experience in machines with gas heating has been applied to optimising the maximum consumption of the dryer by fitting a modulating burner.

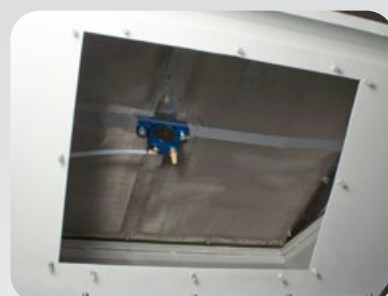
BMT control Simple, visual & with remote assistance

The advanced BMT control software allows precise control of all the drying cycle settings.

The PC controls the drying settings of all the Girbau dryers in the washing system. It has 36 programs, 7 of which are preset.

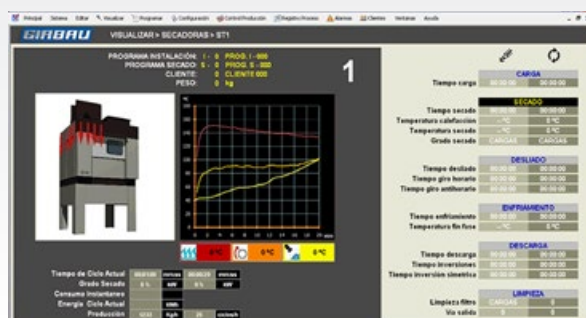
In batch washing systems, the **BMT** control features **Ghelp** to provide remote assistance and speed up technical support.

EFFECTIVE SELF-CLEANING



The filter self-cleaning system is designed to ensure outstanding performance of the dryer.

This function is fully automated and integrated into the drying cycle. The operation takes place at the same time as the unloading procedure to further optimise the cycle time. In this way the dryer is in best condition at the beginning of each cycle.





STAND-ALONE VERSION (OPL)

With the **SUCTION LOADING** option, the dryer provides compact, ergonomic and efficient drying that meets the drying requirements of laundries with medium to large-scale production, whether the process form a part of a batch washer or if the drying is performed by a stand-alone unit.

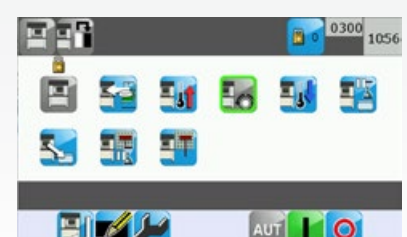
SUCTION LOADING is a loading system that allows very easy and safe loading using a powerful suction system, together with fully automatic unloading, thus making the ST ideal for maximum savings in **ENERGY, TIME and LABOUR**.

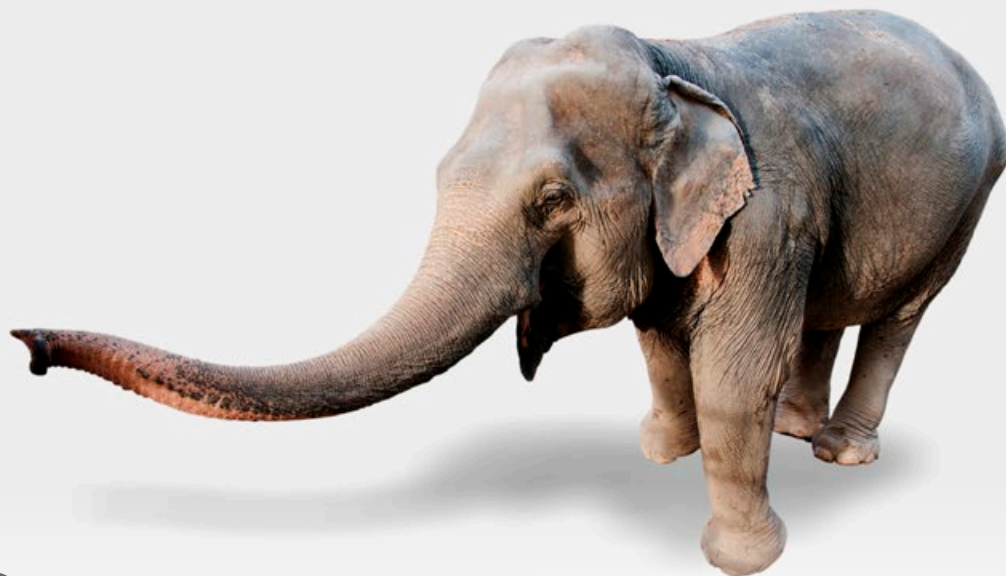


TOUCH SCREEN

The dryers are programmed via a colour touch screen. It has **36 programs**, 7 of which are preset.

A system of graphical icons, common to all Girbau products, makes programming and running the dryer straightforward for operators.



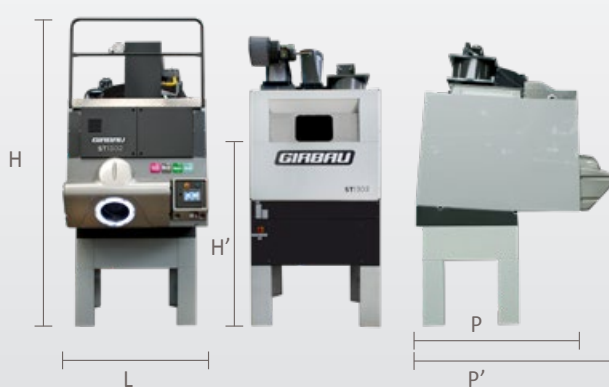


ST Series Dryer

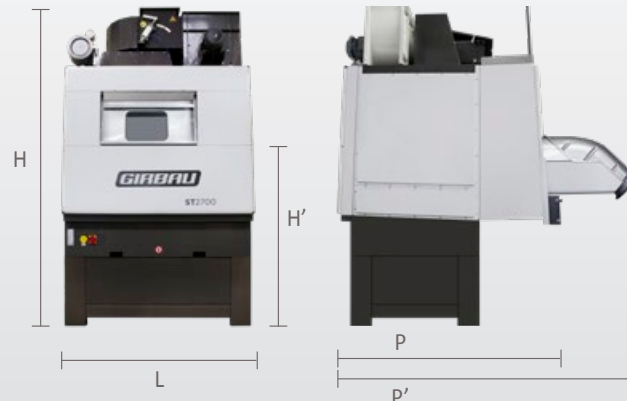
MODEL			ST1302	ST2700
Drum dimensions	Volume	lit (cu.ft)	1266 (44,71)	2702 (95,44)
	Capacity (1/25 - 1/20)	kg (lbs)	50.6 - 63.5 (112 - 140)	108 - 135 (238 - 298)
	Diameter	mm (in.)	1270 (50)	1515 (59.6)
	Length	mm (in.)	1000 (39,4)	1500 (59)
Machine dimensions	Width L	mm (in.)	1675 (65,9)	2270 (89,4)
	Depth P without suction loading	mm (in.)	2150 (84,6)	2570 (101,2)
	Depth P' with suction loading	mm (in.)	2485 (97,8)	-
	Height H	Loading height 1805mm H'	mm (in.)	4175 (164,4)
		Loading height 1960mm H'	mm (in.)	4330 (170)
		Loading height 2210mm H'	mm (in.)	4590 (180,7)
		Loading height 2455mm H'	mm (in.)	4825 (190)
		Loading height 2585mm H'	mm (in.)	4955 (195,1)
		Loading height 2710mm H'	mm (in.)	5080 (200)
	Minimum height of ceiling H	mm (in.)	3985 (156,9)	4790 (188,6)
Weights Extraction	Net weight of the machine	Untangling	kg (lbs)	1300 (2866)
		Steam, Thermal oil, Gas	kg (lbs)	1500 (3306,9)
	Ø vapour extraction connection		mm (in.)	355 (14)
Electrical power	220-415V / 50Hz three-phase	Untangling	kW	2.2
		Steam / Thermal oil	kW	5.9
		Gas	kW	6.5
	208-480V / 60Hz three-phase	Untangling	kW	2.2
		Steam / Thermal oil	kW	6.6
		Gas	kW	7.2
Gas heating	Power without recirculation	kW (B.T.U./h)	160 (546.428,8)	425 (1.451.451,5)
	Power with recirculation	kW (B.T.U./h)	145 (495.201,1)	400 (1.366.072)
	Consumption	kWh/l	1.14	1.06
	Drying time. Capacity 1/25	min	13	11
Steam heating	Power consumption	kW (B.T.U./h)	150 (512.277,0)	400 (1.366.072)
	Consumption	kWh/l	1.23	1.32
	Drying time. Capacity 1/25	min	15	24

Data obtained from test conducted in a laboratory in accordance with standard ISO 93982

GIRBAU S.A. reserves the right to change design and/or specifications without notice.



ST1302



ST2700

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.



Video of the product