

# The MSC World Europa cruise ship is now sailing with a GIRBAU laundry on board



## History

*In December 2018, Girbau and ALMACO partnered to equip the newly build MSC World Europa with a state-of-the-art, sustainable and high-performance laundry solution. The work started in January 2021 and was finished on October 24th, 2022. MSC World Europa is the first ship of the World-class series. The World-class LNG-powered ship can host about 8,900 passengers and crew members.*

## Objective

*Design, manufacture and install a complete industrial laundry solution on the MSC World Europa cruise ship.*

## Solution

*GIRBAU has provided a tailor-made solution, seeking the highest possible degree of automation in the process, and considering all the challenges and factors involved in such a complex environment as a cruise ship.*

At Girbau, we are constantly seeking to innovate and to offer tailor-made and high-quality industrial laundry solutions to our clients.

In this project, Girbau designed, manufactured, and installed, in collaboration with ALMACO, an industrial laundry solution on the MSC World Europa cruise ship, manufactured at the Chantiers de l'Atlantique shipyard in Saint Nazaire, France.

This has been a major milestone for the company, as it has managed to install full industrial equipment in such a complex environment as a cruise ship, considering all the challenges and other factors involved.

## Sustainability at its best

The design of the MSC World Europa cruise ship was driven by the common belief of powering the highest standards of sustainability. Moreover, the ship is MSC's first fully gas-powered vessel and leads the way for the sector. With this, Girbau also reaffirms its strong commitment to promoting the sustainability of professional laundry.

## An innovative and challenging project

### A large-scale project

The 4-year project development was challenging: MSC World Europa is a 333-meter-long ship, weighing more than 200.000 tonnes, and expecting to process around 2.000kg of linen per hour.



### Utmost flexibility required

Girbau has showed maximum flexibility by adapting the machinery to the reduced spaces, complex geometries, and specific regulations of the ship. Moreover, all the machines were pre-tested and adapted by Girbau technicians to balance the waves' effect and guarantee good performance in all working conditions.

### Development and installation

The laundry consists of two floors located on the second and third decks of the ship. On the upper floor, Girbau installed two complete batch washing systems made up of two 12-module batch washers, two presses, 10 dryers, and a set of conveyor belts that send the clothes to the lower floor. To complete the solution, 3 washing machines were installed with capacities of 24, 57, and 110 Kilograms, as well as 3 dryers to process customer clothes, usually high-quality garments.

Once the clothes automatically fall onto the lower deck, they go through two complete ironing systems with 2 automatic feeders, 2 flatwork ironers, and 2 flatwork folders. To complete the installation, the laundry also includes 2 towel folders.

Regarding the installation process, it was the most complex aspect due to the harsh working conditions that pushed the professionals of Girbau into cutting-edge problem-solving.

After four years of work, involvement, and effort, the MSC World Europa is now sailing with Girbau laundry on board.

“We are very happy with the performance and reliability of GIRBAU’s equipment. The industrial laundry solution provided meets all the laundry needs of the cruise ship.”

- As Ari Adoy,  
MSC World Europa  
Laundry Supervisor





# Technical details

- 2 TBS50/10 MULTI 10-module batch washer
- 2 ICP4+ loading conveyor
- 2 SPR-50 press
- 2 CD+ shuttle conveyor
- 10 ST1302/V steam-heated dryer
- 1 HS6024/V 24 kg steam-heated washer-extractor
- 1 HS6057/V 57 kg steam-heated washer extractor
- 1 HS6110/V 110 kg steam-heated washer extractor
- 3 ED1250/V steam-heated dryer
- 2 DRF-4 feeder with 4 lanes
- 1 PC12030/2/V 3-meter ironer with 2 steam-heated cylinders of 120mm diameter
- 1 PC12030/3/V 3-meter ironer with 3 steam-heated cylinders of 120mm diameter
- 2 FR+ 3F 4L UX3P flatwork linen folder with stacker
- 2 FT-TOPFOLD 1.8 towel folder
- 11 conveyors with different configurations and lengths