

**STALAM**  
Radio Frequency Equipment

**Dryers for  
mattresses**

# Dryers for mattresses

## Rapid drying, faster delivery

STALAM has developed a Radio Frequency dryer that allows to optimize the continuous washing-drying cycle of natural latex or polyurethane mattresses after washing and mechanical hydroextraction. The equipment is mostly dedicated to industrial laundries serving hospitals, barracks, rest homes, hotels etc... for their washing and sanitisation requirements. The process is quick and uniform (up to 10 mattresses per hour), speeding up delivery times to customers and ensuring a rapid pay-back period.

### How it works?

The Radio Frequency technology does not rely on heat transmission, so even thick, shaped and dense items (casted blocks, mattress cores, anatomic pillows, etc.) dry quickly with no surface overheating or yellowing effects; it is selective towards water, so even that contained in the core absorbs the RF energy instantly and migrates quickly towards the surface, leaving no wets spots anywhere in the product; the energy delivered to (absorbed by) the product can be adjusted as required, thus enabling to control accurately both the evaporation rate and the residual moisture content.



### **High productivity**

High production capacity from 8 to 10 mattresses per hour.

### **Short pay-back period**

The improved yield brings immediate economic benefits that allow for an RF equipment short pay-back period.

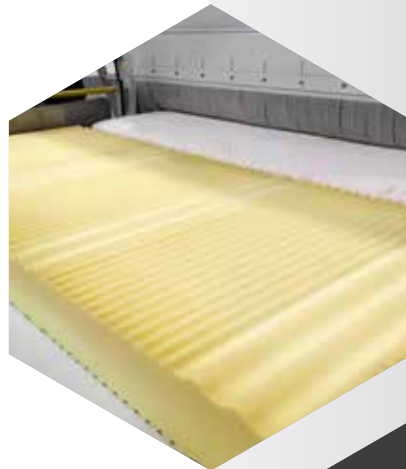
### **Time- and cost- efficient technology**

Shorter drying time compared to conventional systems, yet using less energy.

### **High product quality**

Consistent and thorough drying with no wet spots; no overheating, no yellowing.

*STALAM works in partnership with A3S to supply complete production lines for the washing, hydroextraction and drying of mattresses.*





Established in 1978, STALAM is the world leader in the development, design and manufacture of Radio Frequency (RF) equipment for the drying and thermal processing of raw materials, intermediates and finished industrial products. More than 2500 STALAM machines are in operation in more than 60 countries, having rated output power values ranging from 3 to 450 kW; from the simple, manually operated machine, to the fully automated line complete with computerised control and supervision systems. Exporting more than 95% of its products to the five continents, STALAM provides professional and prompt commercial and technical assistance in all relevant industrial areas throughout the world, thanks to its well-structured sale and servicing organisation.

[stalam.com](http://stalam.com)

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