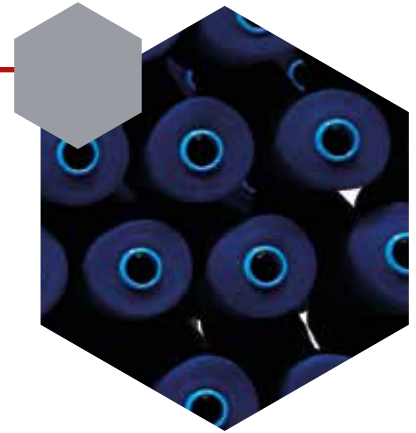


TCRF series dryers



Best for *yarn packages and tops/bumps*



The *TCRF* (Thermo-Controlled Radio Frequency) model dryers represent the outcome of the researches carried out by *STALAM* in co-operation with Messrs. Loris Bellini as to the drying of yarn packages and tops in bobbin or bump form by means of a combination of RF energy and forced air circulation. They can surely be considered as the most sophisticated batch-type textile dryers available worldwide.

In the *TCRF* dryers a passing-through, inverter-controlled air flow makes it possible to control the product's internal temperature as desired while the RF energy is applied.

The air is recovered from the RF generator cooling system and can be additionally heated up by a steam-fed heat exchanger up to about 90°C. An automatic weighing system stops the drying cycle automatically when the desired final weight has been reached. All working parameters and dryer operations are set and automatically controlled through the PLC.

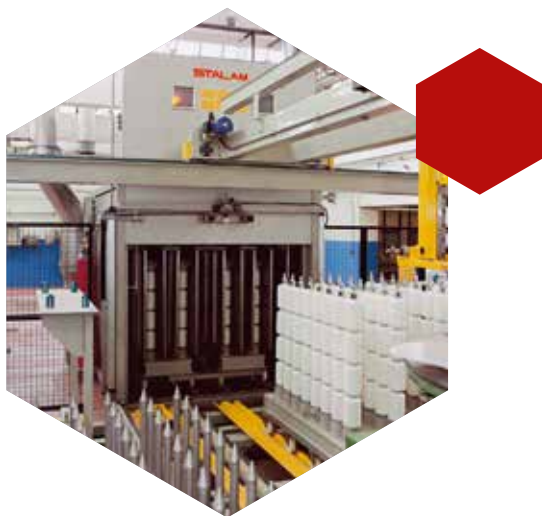


TCRF dryers with 1 or 2 trolleys specifically designed for yarn packages, and a dryer model with 2 trolleys suitable for both tops and packages, are available.

Thanks to the accurate drying temperature control, the TCRF dryers are particularly suitable for all products whose quality parameters are negatively affected by prolonged thermal treatments or by temperatures above a certain limit, such as bleached and pastel-shade wool or cotton/acrylic blends, direct-dyed cotton and viscose yarns, etc.

TCRF dryers allow a remarkable reduction of overall drying costs, with electricity savings up to 25% compared to the standard Radio Frequency technology and thanks to the ease of product loading and unloading operations, which contributes to minimise labour costs.

The TCRF dryers are also predisposed to be integrated into fully automated dyeing plants with robotised handling systems for dye-columns.



Models available

MODEL	PRODUCTION CAPACITY (KG/H)*			DIMENSIONS L(m) x W(m) x H(m)
	synthetics (acr, pes, ny, etc.)	wool and blends (wo/acr, cot/pes, pes/visc, etc.)	silk, cotton, linen, viscose	
TCRF 1C	350 ÷ 500	170 ÷ 250	100 ÷ 160	4.0 x 1.5 x 3.6
TCRF 2C/RT	450 ÷ 700	220 ÷ 350	130 ÷ 210	4.0 x 1.8 x 3.6
TCRF 2C/R	600 ÷ 850	260 ÷ 440	160 ÷ 260	4.0 x 2.2 x 3.6

* Production capacity may vary depending on product type, loading density, actual moisture content etc. Contact us for specific information about your product.

