

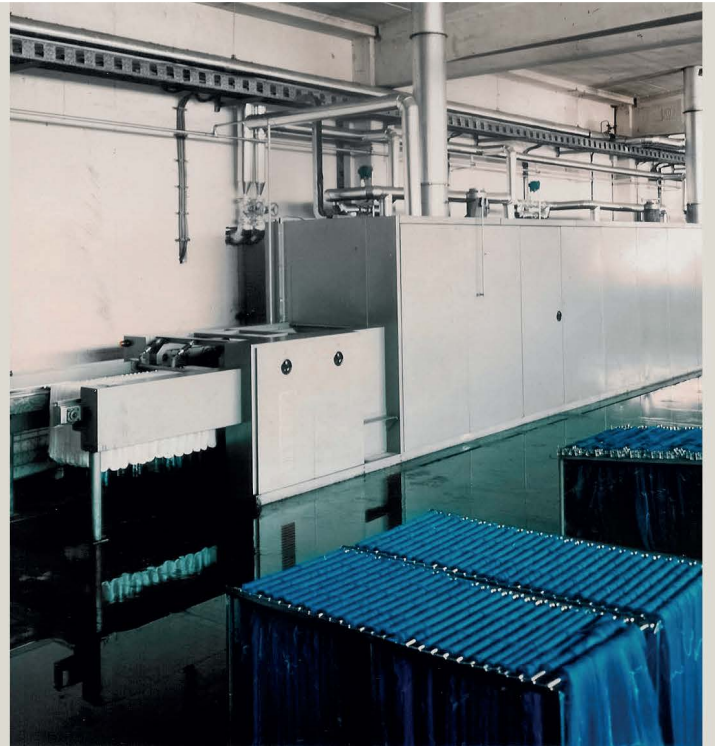


MNC

Hank dryers
with automatic
squeezer

Main features

The hank dryer with automatic squeezer model MNC is suitable to process any type of yarn in hank form with great labor saving and quality improvement thanks to the water extractoin without centrifugation of the hanks.



The machine is modular and produced in two different lengths of drying bays, 3250 or 6500 mm. The number and length of bays can be combined at customers' preference to achieve the daily production requirement.

The installation of additional drying bays can easily be performed in different steps moving forward the exit section of the machine and adding the required bays.

All the covering panels of the drying chambers are realized with high thickness insulation to minimize thermal energy loss.

Automatic squeezer: The first automatic squeezer was produced by Alea in 1981. Nowadays, after 45 years of experience and feedback from Alea customers worldwide, the new generation of squeezers represents a high competitive solution in terms of cost-benefits of the machine. The squeezer is made to receive the hanks directly on dye poles of the cabinet dyeing machines and permits great labor-saving avoiding centrifugation of the hanks.



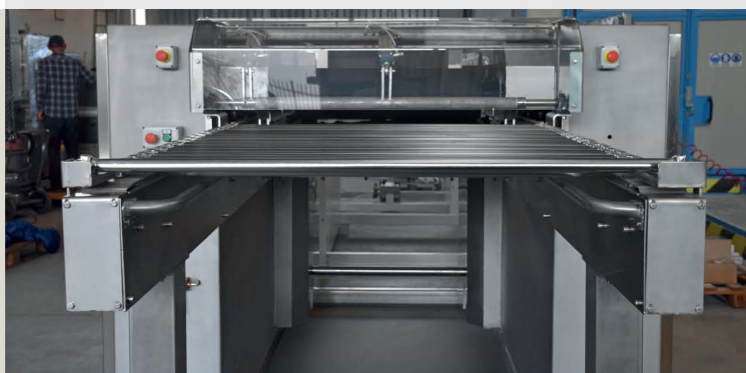
This advantage is indispensable not only for reduction of processing cost but also for hanks and yarns where centrifugation creates problems at the crossing angle of the hanks with consequent lower efficiency in hank to cone operations. The use of an automatic squeezer permits a much better preservation of the hank and an improved quality reducing the yarn breakings in hank to cone operations.

The squeezing pressure is adjustable so that even coarser counts can be processed preserving the roundness of the yarn. Here below the picture of one of the latest machines delivered where we have realized the first and only hank squeezer in the world completely realized in stainless steel.

Pre-drying section: After squeezing operation, hanks on dye poles automatically move to the first pre-drying section where air temperature can be adjusted on the higher side since the humidity content of the yarn is still high and there is no risk to damage the material.

Revolving device: At the exit of the pre-drying section, the machine is equipped with an automatic revolving device where the dye poles are used to rotate the hanks positioning the small non-squeezed portion of the hank on the upper side.

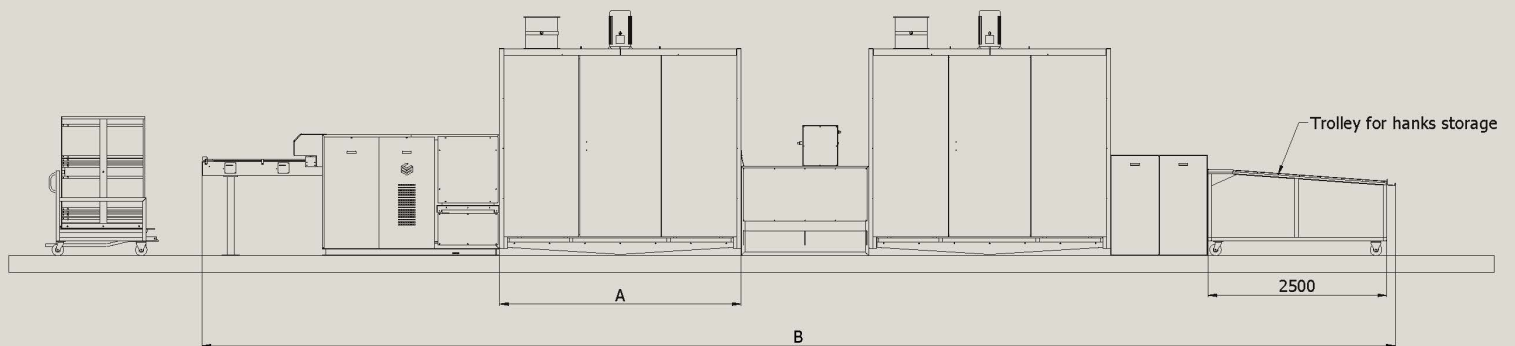
Machine exit: The machine exit is equipped with a removable trolley (dimensions and capacity at customers' preference) where the hanks are automatically delivered and stored. When the trolley is full, can easily be replaced with another trolley without stopping the dryer.



Final drying section: After the revolving device, the hanks enter into the final drying section where the temperature is generally lower and there is a perfect uniformization of humidity on the hank including the non-squeezed portion which is now directly exposed to ventilation.

Air circulation and heating system: The air circulation and heating systems are the same applied (of course sized accordingly) on the B72 dryer. For reference, please see paragraph on page 33.

Machine model	A (mm) chamber lenght	B (mm) Machine lenght
MNC 20RR	3250	16800
MNC 20 R	6500	20050
MNC 20	3250-6500	23300
MNC 30	6500	26550
MNC 40	6500	33050



Machine controller: Automation system and data storage for MNC dryer is the same platform used for B72. For reference, please see paragraph on page 35.

