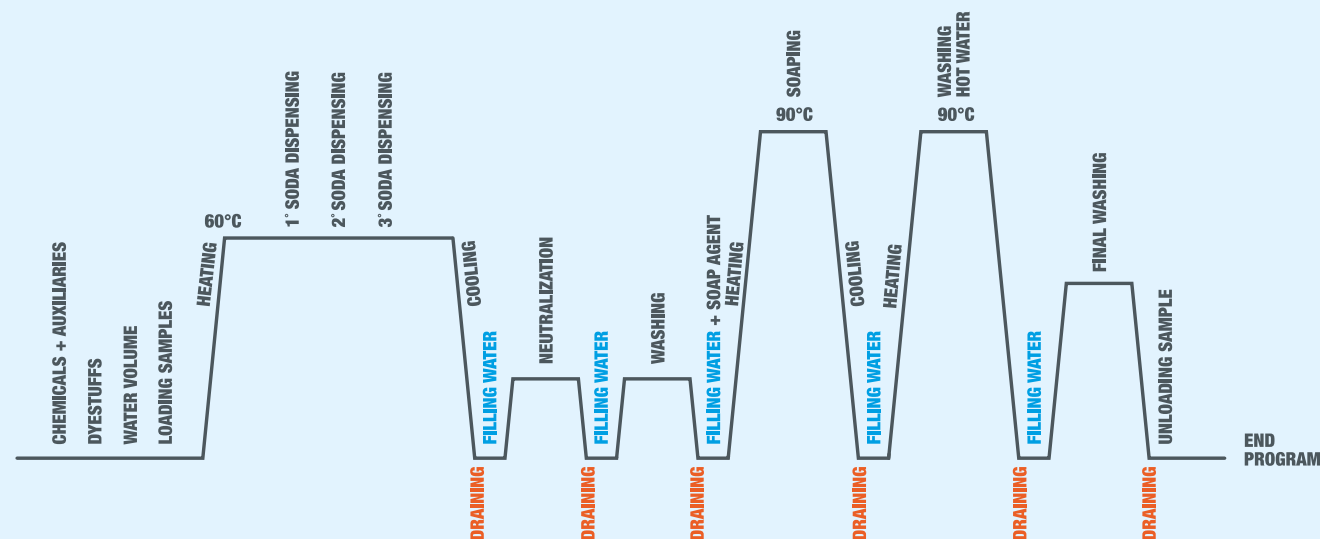


FULL AUTOMATIC LABORATORY

DOS & DYE system



Using MULTI-PIPETTE volumetric system, with an accuracy of $\pm 0,01$ cc directly into the dyeing kier. Dispensing during the dyeing process even in multiple phases.

DISPENSING INTO DYEING BEAKERS

Manual by the operator or by dispensing machines. All the recipe components are dispensed only once.

AUTOMATIC loading when requested by the dyeing program and AUTOMATIC unloading at the end of the dyeing process, by means of a robotic system.

MANAGEMENT OF THE SAMPLE TO BE DYED

Manual loading and unloading by the operator.

Multiple treatments can be carried out on the material while reproducing the bulk machines process. At the end of the preparation process the dye-bath is drained and the dyeing phase takes place.

PRE-DYEING TREATMENTS

Ready-to-dye material is used.

COMPLETE process complying with the same program as on the bulk machines.

DYEING

With atmospheric or infrared machines using ready-to-dye material.

Using MULTI-PIPETTE volumetric system, with an accuracy of $\pm 0,01$ cc directly into the dye-pot, complying with the gradual dispensing curves, if necessary.

ADDITIONS DURING DYEING

All recipe components are dispensed at the beginning. In some cases additions are carried out manually (by means of a syringe).

Directly in the same dyeing kier, at the end of the dyeing process, according to the temperature and process time set in the program.

SOAPING AND WASHING

Manually by the operator, not according to time and temperature.

MANUAL LABORATORY

