

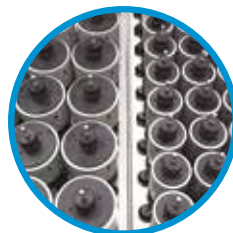
Automatic bottle washing station



Automatic solution maker



Dyestuff containers parking



Dyestuff containers



ROBOTIC HANDS
Material holders



Pipettes



MULTI-PIPETTE
dispensing system



Dispensing area



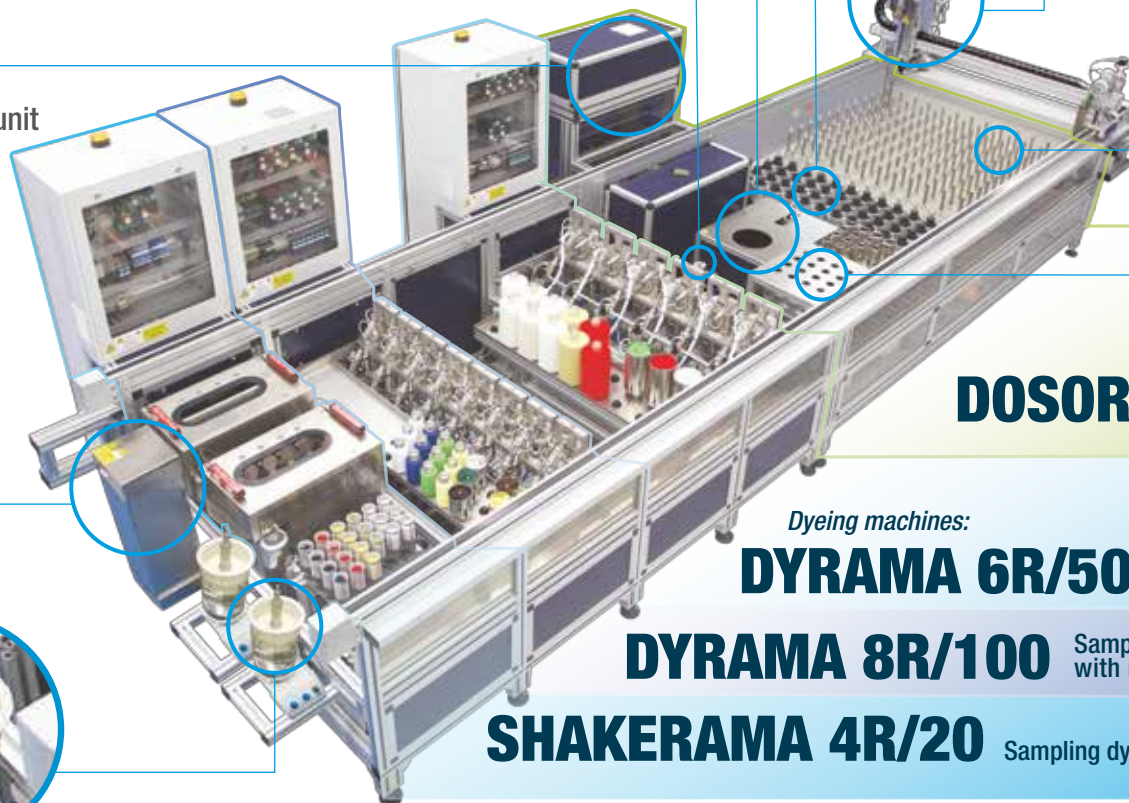
DWS
Dissolving unit



Water heater



4-litres
container for
chemicals



DOSORAMA *Dispensing machine*

Dyeing machines:

DYRAMA 6R/500 Small batches dyeing module capacity 250-500 g with reversible pump

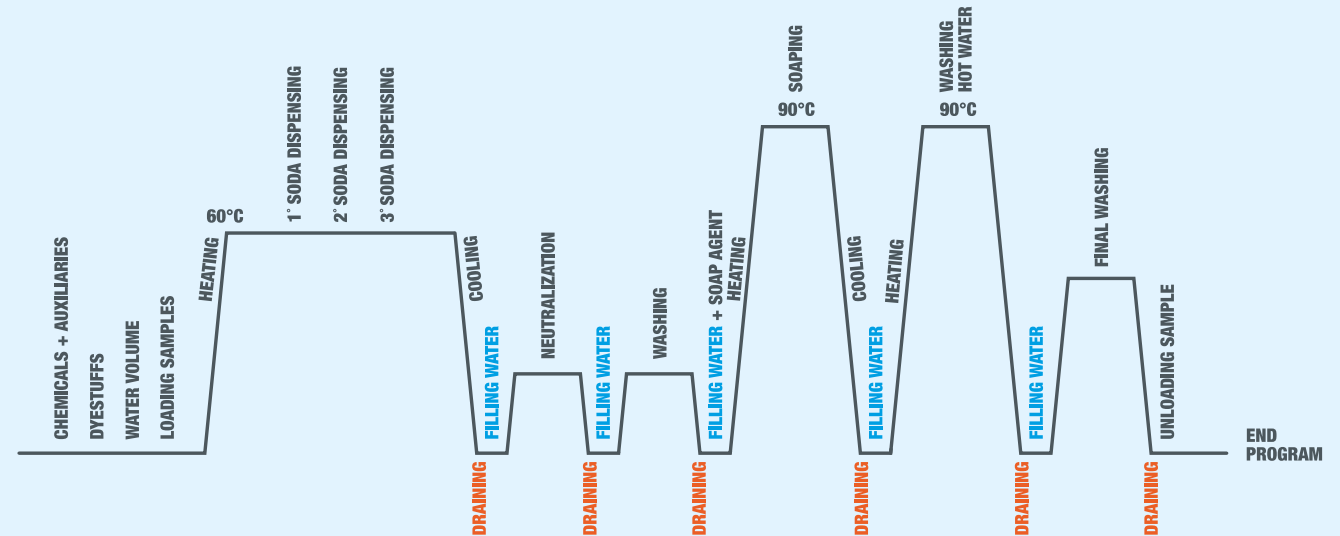
DYRAMA 8R/100 Sampling dyeing module capacity 50-100 g with reversible pump

SHAKERAMA 4R/20 Sampling dyeing machine capacity 10-20 g

OTHER MODELS AVAILABLE: Turbodye 8R/20 • Dyrama 8R/200

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.

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

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.

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

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.

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

DISPENSING INTO DYEING BEAKERS

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

MANAGEMENT OF THE SAMPLE TO BE DYED

Manual loading and unloading by the operator.

PRE-DYEING TREATMENTS

Ready-to-dye material is used.

DYEING

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

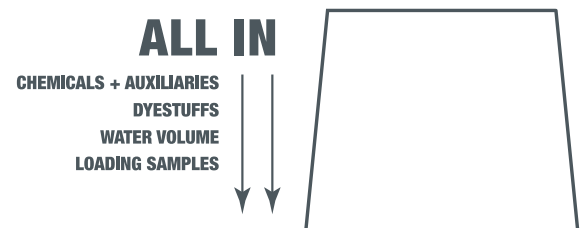
ADDITIONS DURING DYEING

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

SOAPING AND WASHING

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

MANUAL LABORATORY

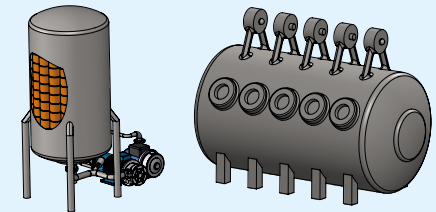




DOS & DYE system

*right
first time*

**FULL AUTOMATIC
LABORATORY**



BULK

-50%



**DYEING
TRIALS**

-50%



TIME

-50%



MONEY

-50%



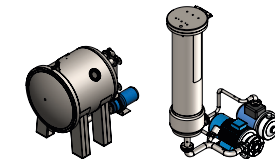
MAN

100%

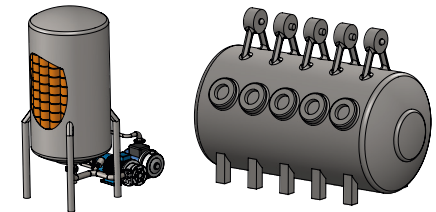


REPRODUCIBILITY

**MANUAL
LABORATORY**



CONFIRMATION



BULK