match the color

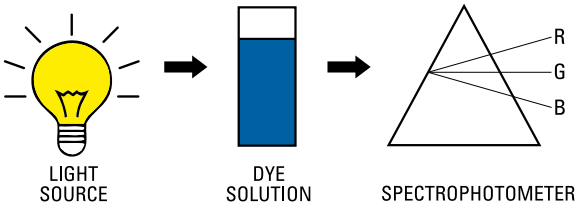
ENGLISH

This simple, economical but extremely practical instrument has been conceived and produced by Tecnorama technicians in order to be able to automatically analyse the quality of wastewater after each operation entailing the washing of textile materials during the dyeing process.

ECODYERAMA is easy to apply, and can be used on all existing dyeing machines. It is suitable for any type of fibre and/or form of textile material (flock, yarn, cones and skeins, fabrics, knitting, etc.) and can monitor any type of dyeing processes (reactive, direct, acid-based, etc.).

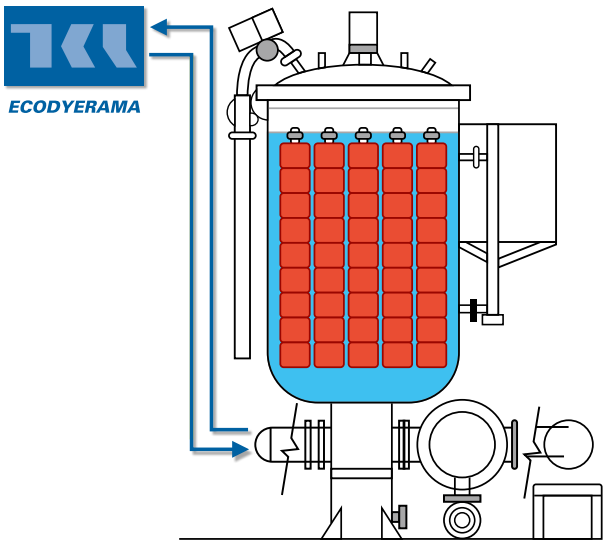
The application of this instrument on various dyeing machines is not invasive, it simply requires an inlet and outlet (1/4' fittings) fitted onto the dyebath recirculation pipe. Small quantities of wash water are taken continuously by the **ECODYERAMA** system from these two "ACCESS POINTS", and are carefully analysed before being returned to the dyeing machine.

Water quality is analysed by means of a special optical instrument capable of checking the presence of minimum quantities of dyestuff still insist in the wash water *(RGB technology).*

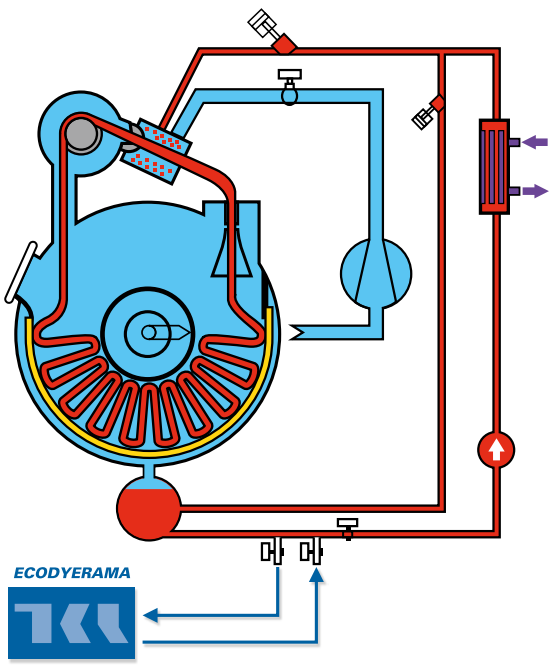


The analytical data are transmitted to the system used to manage the dyeing machines microprocess which, depending on the information received by the **ECODYERAMA**, will decide whether to proceed with another washing process or to terminate the dyeing process, as the wastewater is sufficiently clean.

ECODYERAMA is to all intents and purposes, a very important and economically relevant **ECOLOGICAL** system. Since it is possible to know, in a totally automatic and scientific way, when the dyeing process is completely finished, a lot of water being wasted when performing unnecessary additional washes can be saved. It is also possible to shorten the time of the single washing cycle and, consequently, we can have a significant shorter dyeing process times, thus raising productivity.



ECODYERAMA for yarn



ECODYERAMA for fabrics

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