

FULLY AUTOMATIC DYEING LINE



Dyeing machines



Dryers

2 PEOPLE ONLY ARE NEEDED TO RUN THE LINE!!

The automatic dyeing line , shown on the layout LO-03-01 , has been studied and built to make fully automatic dyeing processes on socks, stockings , T shirts, shirts , trousers, bathmats and many other... ready made garments.

This line can be considered as a unique plant to make different types of dyeing processes (direct, reactive , etc) in a complete automatic way.

It can be used for washing processes as well , like enzyme washing or other.

In summary the line includes the following main sections :

- **Loading station** : one operator places the container with the garments on the automatic loader that overturns them in the upper shuttle.
- **Upper loading shuttle** to feed the dyeing machines.
- N° 6 sets of HIGH SPEED dyeing machines Mod. LSCO360T .
Each machine is complete with its own colour Kitchen.

Thanks to their high speed rotation speed, at the end of the dyeing processes, the machines make the extraction to prepare the garment to the following process of drying :

- **Shuttle containers shifter** : to above dyeing machines unload the garments inside containers placed under of them. These containers are moved automatically to the left side of the line and then, by another shuttle system and one loader / tilter , loads the the garments inside the dryers.
- **N° 3 sets of pass-through dryers Mod. ER550** : to make the final step of the process i.e. the drying. The unloading is automatic as well on the back side of the machines. The second operator places the empty containers by them to collect the finished garments.

TECHNICAL INFORMATION :

- It is fully automatic and 2 operators only are necessary to run it. (one for loading and the second one to collect garment after the drying).
- All machines are equipped with industrial PC connected with the main one placed in the office, so it is possible to control all the line in real time and change the recipes one by one.
- The management of the dyestuffs , chemicals and auxiliaries is automatic as well.
- All the above automations are possible thanks to the software studied by our technicians.

THE MAIN BENEFITS OF THIS LINE ARE :

- HIGH EFFICENCY
- HIGH AND COSTANT QUALITY
- MINIMUM MANPOWER
- FULLY CONTROL OF PRODUCTION
- FULLY CONTROL OF COSTS

One more reason to get HIGH QUALITY is that nobody touches the garments during the process and so it is eliminated the possibility of damage them due to the handle with stand-alone machines.