



The system does not require manual calculations for the laboratory recipe. Dyestuff and chemicals are automatically calculated as per liquor ratio according to the weight of the material to be dyed. Special solution bottles, glass pipettes, teflon pistons, electrical switchgear, servo motor, non-corrosive and unbreakable main frame, professional PLC and HMI software are the main components of Profix LAB system which are chosen with high quality and high compatibility that allows the system to run 24 hours without any intervention.

Optionally, Profix LAB advance, with a different bottle capacity, automatically picks up and move the bottles to the washing unit when the storage time is expired. After washing the bottle new solution is prepared automatically by weighing powder dyestuff into bottle then adding water and mixing. When the bottles are empty, or if the exchange time has come, they are automatically organized in the system without any additional processing.

In each models, glass syringe takes the precise recipe quantities from liquid solution bottles and dose into the recipe tubes. Volumetric dosing through glass syringe allows Profix Lab system to prepare recipes with high accuracy without being effected from vibration or any environmental changes.

