Flex

Dye liquor control - check your dye liquor before you add it

Comparison between production and reference

Batch statistics

The Flex dye liquor control system checks and corrects the dye liquor prior to use in production. It also gives you a highly efficient means for the inspection and control of dyestuffs. Flex is designed for continuous as well as exhaust dyeing.
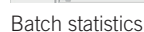
In practice the Flex system enables a dye liquor to be checked in less than five minutes. The system bases its calculations on flexibly defined tolerance ranges to produce a clear pass/fail evaluation of the tested liquor. This allows quick and easy recognition of faulty liquor before the dyeing process and thus saves off-shade dyeing. If the liquor corresponds correctly to the recipe or to a sample reference liquor it is released for production. Otherwise the Flex system works out correction proposals to put the faulty liquor right.

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Experts in process optimization

Dye liquor control

Possible reasons for off-shade dyeings:

• Weighing errors

• Incorrect dyestuffs

• Liquor composition errors

• Contaminations

• Humidity problem/moisture in dyestuff

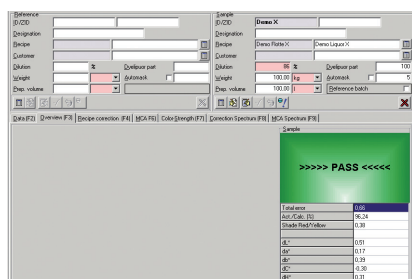• Deviations in dye lot strengthand shade

• and many more

Major advantages of Flex:

• Reduces cost

• Reduction of off-shade dyeings in production

• Reduction of lab dyeings

• Improvement of quality

• Increase of productivity

• Night shift control

• Improve lab to production transfer

In continuous as well exhaust dyeing the Flex dye liquor control system has proved to work excellently in daily use. Flex gives accurate results with the following dyestuff categories: reactive, disperse, vat, acid, metal complex, direct dyes etc. as well as combinations..

Flex is part of the Sedo Treepoint product family and can therefore easily be connected to one or several other systems of the Sedo Treepoint textile finishing product line. Flex can also be used as an independent system.

Our selection of hardware reflects well-known industrial standards in PC and network technology in addition to the highly efficient, robust and user-friendly top-of-the-line instrument of the leading manufacturer Agilent and Hamilton.

Check of a dye liquor

Analysis of the composition of dye liquor

Correction of a production dye liquor

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