

Becatron AG

Automatic Chemical Dispensing



ChemMaster

The system offers a fast, accurate and completely safe dosing process for liquid chemicals and auxiliary products. **ChemMaster** has a modular design and can be used to supply dyeing machines as well as stenter frames and padding machines (with residual dye bath optimisation). It can also be connected to different systems.

Benefit

- fast and accurate liquid dispensing
- Processes can be traced
- Less waste water is produced
- Little to no liquid remains in the dye bath: costs are cut and fewer chemicals are used
- Reproducibility and thus improved quality

Principle

Gravimetric measurement of liquids prevents the problems that arise during volumetric measurement. Using a pulse frequency generated by an IP converter, the Open/Close valves can occupy any intermediate position thanks to an analogue signal from the scale controller. Results that are identical to those achieved with dosing valves can therefore be achieved affordably.

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Automatic Chemical Dispensing System

ChemMaster

Chemical dispensing system for dyeing and finishing



MODUL CMBasic

The CMBasic module is the heart of the ChemMaster system and consists of the complete control cabinet with controller, weighing vessel, product valves, switch valves to the machines and transport pump. This module is delivered as a complete unit in a pre-fabricated and tested state. The recipe program can be installed on a computer within the network. This program has various features such as warehouse, product and supplier management, reporting on each lot, consumption statistics and much more besides.



OTHER MODULES

CM Product module (optional):

This module can be supplied and installed by either the customer or Becatron. This involves everything from the product containers and product transport to the weighing vessel and the ready-to-connect valves.

CM Machine module (optional):

There are different ways to connect the machines:

- Interfaces to existing controllers (e.g. MySQL, OPC, SAP)
- New Becatron controller at the machines.



PRINCIPLE SCHEMA

