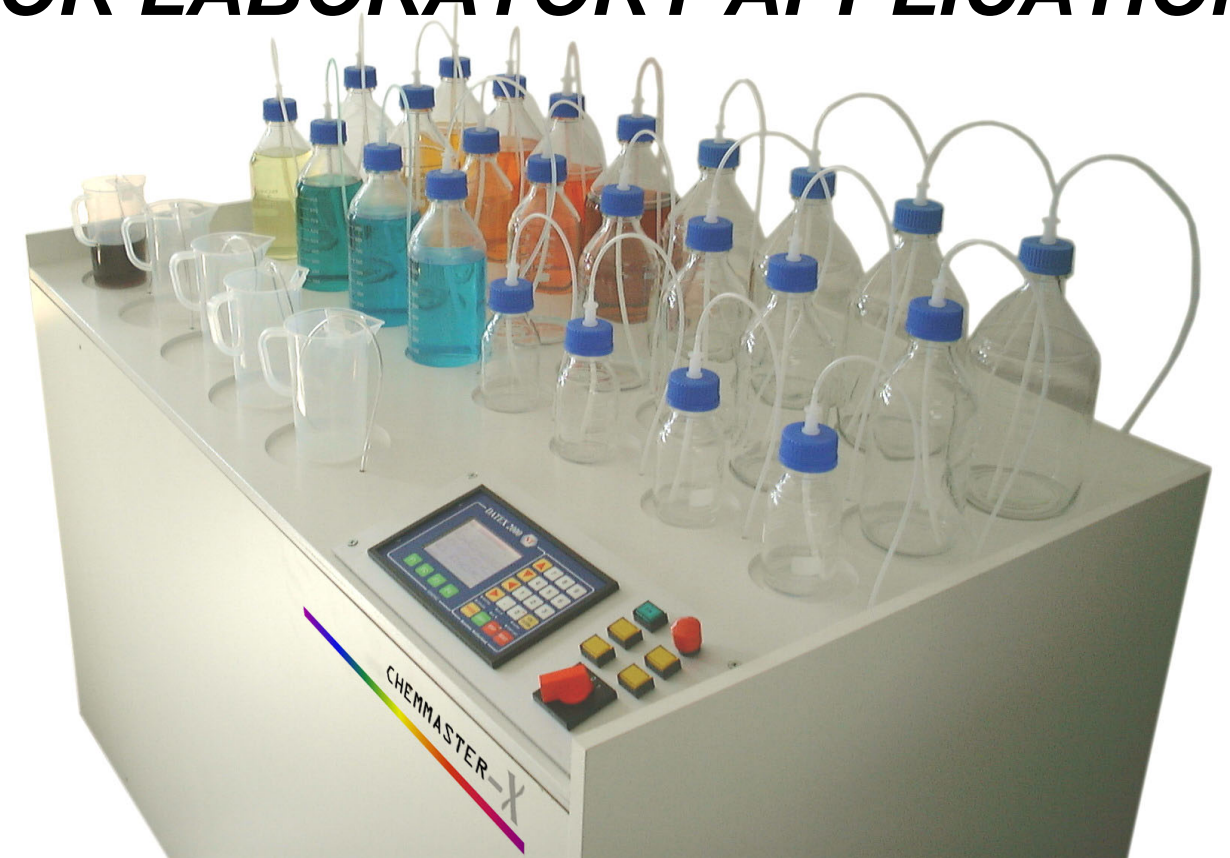
CHEMMASTER-X

CHEMICAL AND COLOR DOSING SYSTEM FOR LABORATORY APPLICATION



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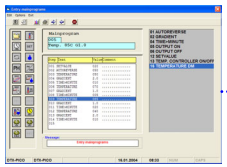
Principal scheme

CHEMMASTER-X

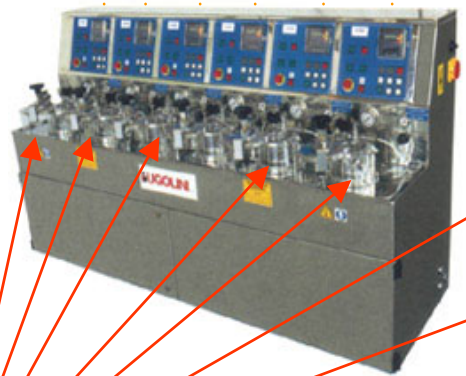
Datex Dialog



Recipe software

Communication between Central Master PC and each machine

Communication between Central Master PC and CHEMMASET-X



Manual dosing station for machines which are not connected with the Central Master PC or which are not using Becatron controllers

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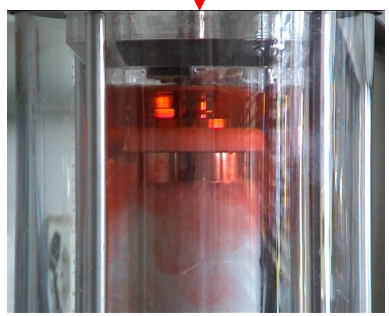
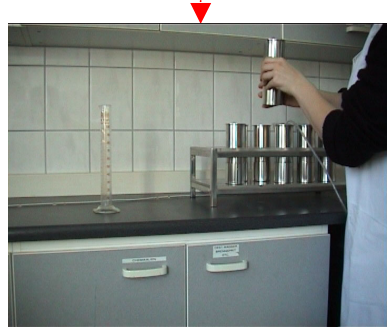
Transport of chemicals and colours

The transport from the CHEMMASTER-X to the different dyeing machines are very simple. All colour and chemicals (from the 5 vessel for colour in the front or from the bottles) will dosing full automatically to each connected Laboratory dyeing machine. It is also possible to dosing the chemical to dyeing bombs for a infrared dyeing machine.





Bottles

This special glass bottles are available in different kind of size. At the actual version of the CHEMMASTER-X we use 10 x 2000ml, 10 x 1000ml and 4 x 250 ml bottles.

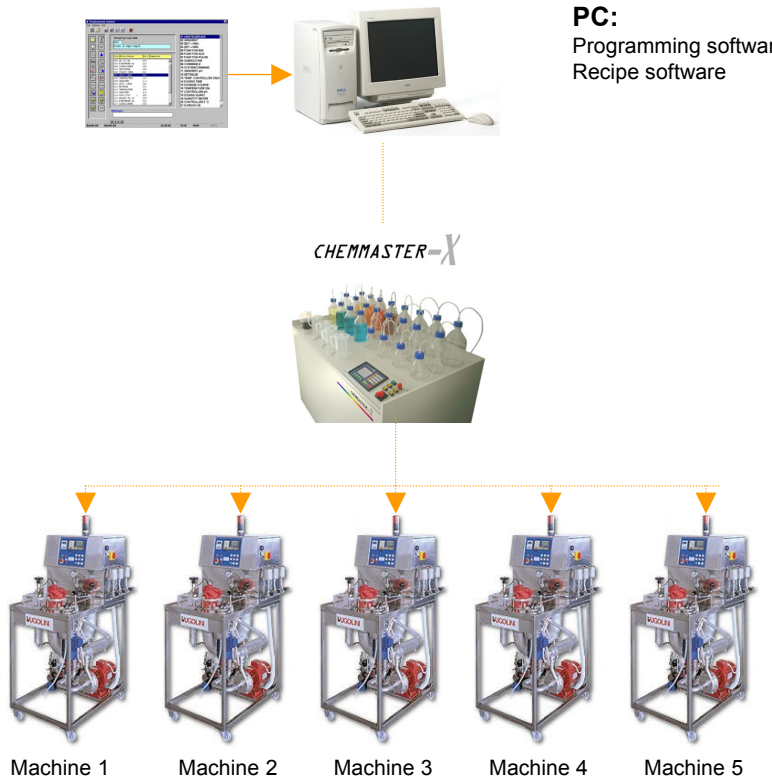
For the colour we have 5 small plastic vessels which are very easy to change. We have a special

Filling handling

To refilling process of the bottles is very easy. You have to disconnect the plastic hose, turn off the bottles top and fill you wished liquid to your opened bottle. With this special stopper on the bottles top it is very easy to plug the hose.

Controller

The controller for the CHEMMASTER-X is the Datex 2000 NT. Through its integrated PLC (until 64 in-/outputs) is it very flexible to using. Its own flash memory can saving 200 programs and 50 subroutines. On the graphic display could you see each step of the recipe. To programming the program and recipes it is possible to connect the Datex 2000 NT with a PC. With this PC and the Becatron Dialog/Recipe Software could communicating with the controller Datex 2000 NT.



PC:
Programming software
Recipe software

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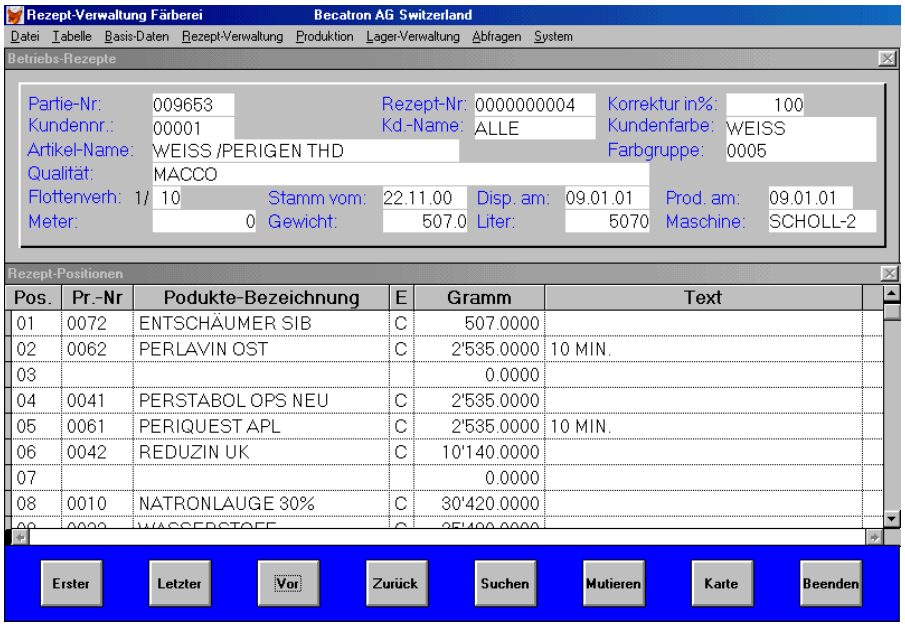
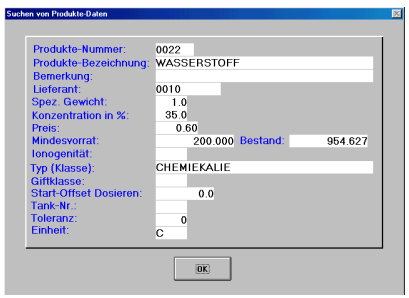
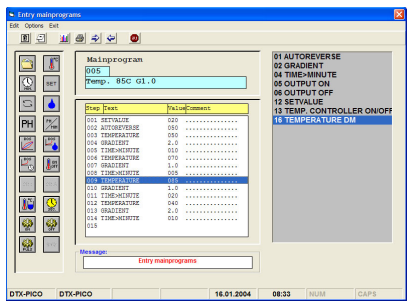
PC Program







All needed software components are included in the CHEMMASTER-X system. That means:

- PC Programming software for the controllers

- PC receipt software for making your own receipt

With all this components it is very simple to use this complete full dosing system.

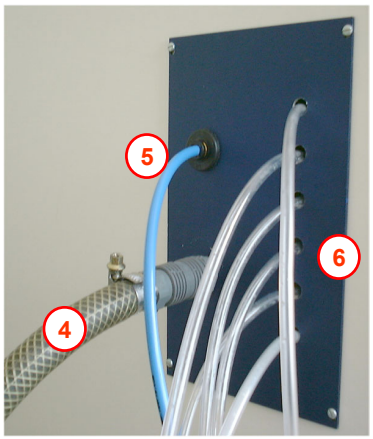
Technical specification

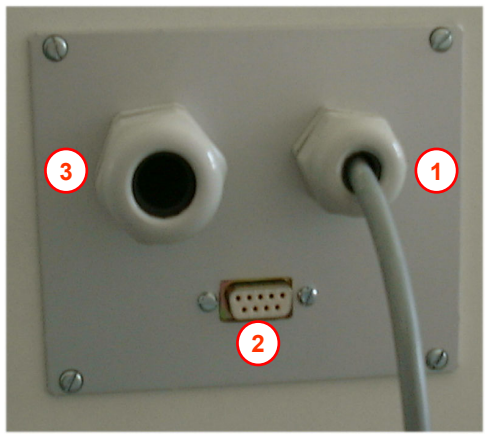
CHEMMASTER-X

Technical specification:

Power supply	:	230 V
Pressure air	:	1.0 bar
Water	:	1.0 bar
Pump chemical	:	200 – 300 ml / min.
Pump colour	:	300 – 400 ml / min.
Dosing quantity	:	minimum 10 ml
Exactness	:	+/- 1 ml
Chemical bottles	:	10 x 2000 ml
		10 x 1000 ml
		4 x 250 ml
Colour vessels	:	5 pieces
Dyeing machine	:	5 machine are possible to connect
Controller	:	Datex 2000 NT or
		Datex Touch

Connection specification



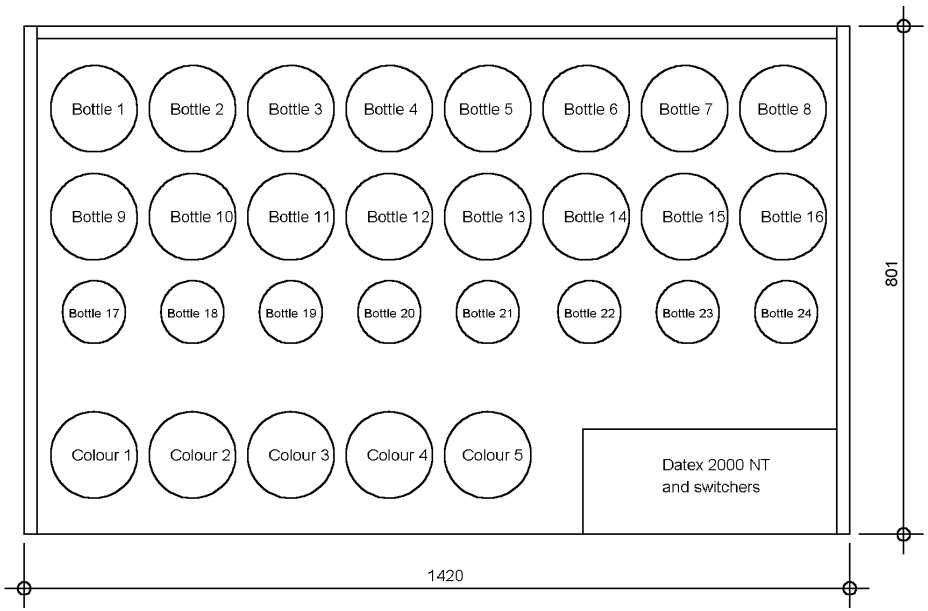


Connection specification:

1) Power supply
2) PC connection
3) Reserve
4) Water
5) Pressure air
6) Output to the machines (in this case 5 pcs)

Dimension diagram

CHEMMASTER-X



Over view

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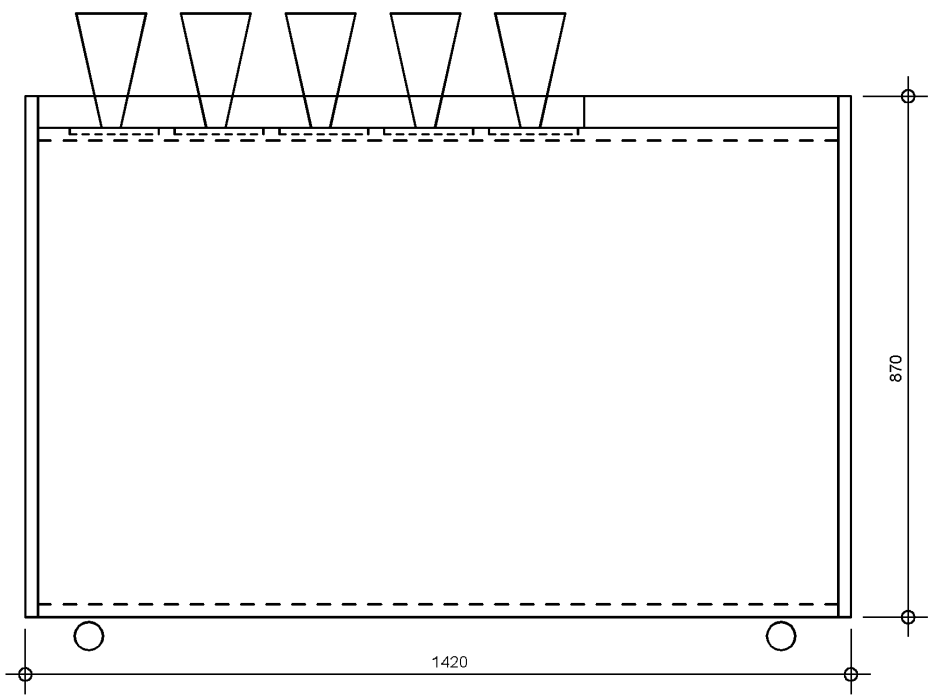
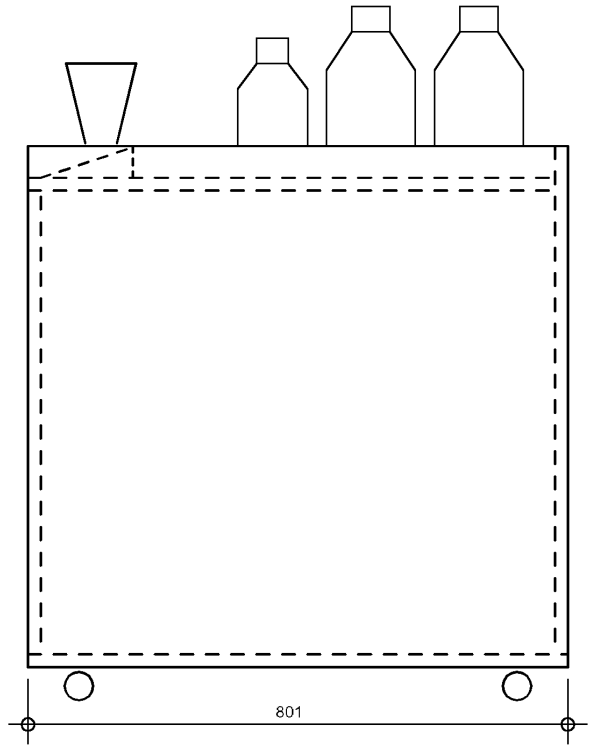
Dimension diagram



Front view



Side view

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