Laboratory Dispenser

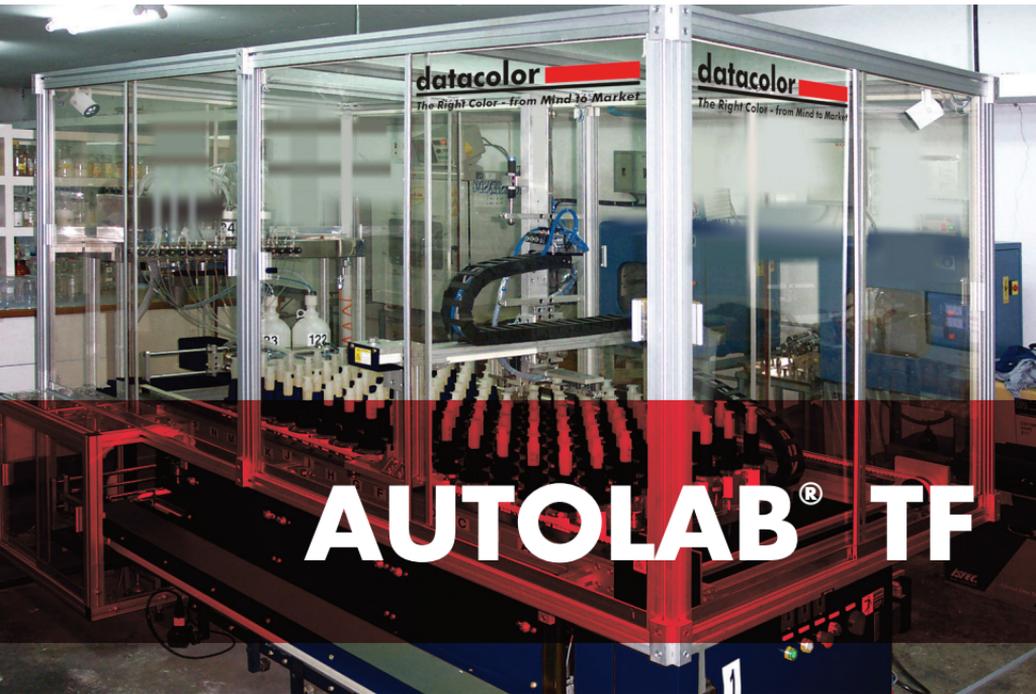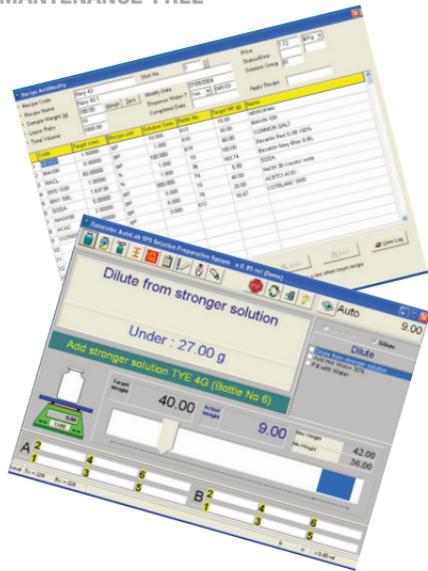**AUTOLAB® TF**

- Dispenses a wide range of viscosities of products
- Employs a fast, high precision and reliable servo motor-driven robotic arm mechanism for exceptionally rapid dispense and system reliability
- Provides excellent repeatability due to its particular design
- Eliminates human error, by removing human decision making and intervention
- Delivers high throughput in the lab

AUTOLAB® TF

FAST, ACCURATE AND MANTENANCE-FREE

Datacolor AUTOLAB TF systems are tube-free, eliminating the possibility of sedimentation and therefore any need to clean the system. They use dedicated individual injectors to transfer solution from each dye bottle, removing any possibility of cross contamination.

FEATURES

- All products are physically weighed during dispense, ensuring total control and traceability.
- Simple but effective design injector, easy to maintain and low cost.
- Uses dyepot holding trays, with 6 dyepots in each tray, to optimize dispense throughput.
- Dyepot trays can be prepared in advance, saving operator and operation time.
- Dispenses water and chemicals simultaneously, accelerating dispense speeds even further.
- Conveyors used to further automate the process (up to 60 recipes can be dispensed without the need for any human intervention).

Windows based software is user friendly, but sophisticated in its functionality. Graphical data information displays are easy to read and understand. The software contains many User-definable fields. Stock solution management and Full Recipe Management complete the suite of software. Integration with DCIMatch™ and ITMProcess™ for automatic transfer of recipes to the lab dispenser and multi-format data import/export capabilities, for transfer of information to/from other computer systems adds to flexibility.

FEATURES COMPARISON

	AUTOLAB TF-40	AUTOLAB TF-80	AUTOLAB TF-88	AUTOLAB TF-120	AUTOLAB TF-128	AUTOLAB TF-160	AUTOLAB TF-168
No. of dispense bottles	40	80	88	120	128	160	168
No. of dyestuff bottles	40	80	80	120	120	160	160
No. of auxiliary bottles (including water)	1 (water)	1 (water)	7+ (water)	1 (water)	7+ (water)	1 (water)	7+ (water)
Number of water valves	3	6	2	6	2	6	2
Size of solution bottles	1L	1L	1L	1L	1L	1L	1L
Size of auxiliary refill bottle	-	-	4L	-	4L	-	4L
Capacity of injector	60ml	60ml	60ml	60ml	60ml	60ml	60ml
No. of dedicated injectors	40	80	80	120	120	160	160
No. of agitation positions (programmable)	40	80	87	120	127	160	167
No. of scales	1	2	1	2	1	2	1
Maximum No. of recipes in one batch	6	12	30	12	42	12	54
Accuracy of gravimetric dispense	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g	± 0.02 g
Dispense range (kg)	0-4.0	0-4.0	0-4.0	0-4.0	0-4.0	0-4.0	0-4.0
Dispense speed (6 recipes: 3 dyes, 180 cc tot)	6 min	6 min	6 min	6 min	6 min	6 min	6 min
Power Voltage	220~240 V	220~240 V	220~240 V	220~240 V	220~240 V	220~240 V	220~240 V
Power Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Power Wattage	1.4 kW	1.4 kW	1.4 kW	1.6 kW	2.0 kW	2.2 kW	2.2 kW

WORK FLOW

	Design	Photo	Cosmetics	Packaging	Ink	Home Entertainment	Automotive	Plastics	Paint & Coatings	Textile	Retail Paint
Create/Design											
Specify											
Formulate and Produce					▬					▬	
Quality Control					▬					▬	

For more information, please visit **www.datacolor.com**

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