

datacolor

AUTOLAB™_{TF}

Datacolor AutoLab TF-P 无管路化验室印花调浆机

特色、优势和技术规格

- 无管的设计— 没有沉淀；不需清洁
- 重量法滴液— 所有染液在滴液过程中均被计量，可追查完整的滴液纪录
- 极低保养需求— 没有滴液管路、滴液阀或阀线需要维护
- 无需排除染液，不浪费染液
- 使用独立的注射器直接将染料从母液瓶子输送到染杯—消除了任何交叉污染的可能性
- 简单而有效的注射器设计—极易维护，无污染
- 滴液前自动排液—确保注射器清洁
- 无须校正注射器，开始时间加快了
- 可处理大范围的高粘度染料 4000cps, (量度方式: Brookfield Dial Reading 黏度计, 试针 HB3, 转速 10 rpm,量杯直径 85mm, 测试糊料温度 25°C)—应用范围广，适用于浸染、轧染、印花和地板漆等
- 机械手下方废液槽—确保在移动注射器时不滴液
- 最新发展的之 X-Y-Z 移动技术— 动作可靠、精确
- 标准配备唯一组 20 公升容量的糊料压力桶及滴液阀模块.最多可扩充至 3 组
- 可选用 50 公升容量的糊料压力桶.
- 各型糊料压力桶均可选用加装机械式螺旋搅拌器.
- 可控制/滴定糊料最高粘度为 60,000 cps (量度方式: Brookfield Dial Reading 黏度计, 试针 HB3, 转速 10 rpm,量杯直径 85mm, 测试糊料温度 25°C).
- 可移动式 20 公升糊料压力桶
- 包含糊料管道清洁功能
- 非开放式染液瓶设计—确保染液不挥发，染液浓度可保持长时间不改变
- 可使用的染杯尺寸范围广
- 6个位置滴液杯托盘设计，装卸染杯容易
- 自动装卸滴液杯托盘—自动化程度高
- 连续输送带设计—系统可自动进行多达 54 种配方进行滴液而无须人手(9 beaker trays on TF-168P, 7 on TF-128P and 5 on TF-88P)
- 搅拌速度，方向和间歇时间可由软件控制，以确保染液得到正确的搅拌
- 不计量滴定助剂和水，增加滴定生产量
- 同时在多个染杯里滴定助剂和水
- 系统处于不开放空间中—以免系统受到风、尘或其它物质污染

Technical Specifications – Datacolor AutoLab TF-P 印花滴液机

Product Name	AutoLab TF-40P	AutoLab TF-80P	AutoLab TF-88P	AutoLab TF-120P	AutoLab TF-128P	AutoLab TF-160P	AutoLab TF-168P
Number of dispense bottles	40	80	88	120	128	160	168
Number of dyestuff bottles	40	80	80	120	120	160	160
Number of auxiliary bottles (incl. water)	1 (water)	1 (water)	7 + water	1 (water)	7 + water	1 (water)	7 + water
Number of auxiliary bottles with auto-refill	0	0	7	0	7	0	7
Number of water valves	1	1	1	1	1	1	1
No. of paste pressure tank	1	1	1	1	1	1	1
No. of paste dispensing valve	1	1	1	1	1	1	1
Maximum No. of paste pressure tank	3	3	3	3	3	3	3
Maximum No. of paste dispensing valve	3	3	3	3	3	3	3
Capacity of external past tank (L)	20/50	20/50	20/50	20/50	20/50	20/50	20/50
Diameter of 20L/50L external paste tank (mm)	483/483	483/483	483/483	483/483	483/483	483/483	483/483
Height of 20L/50L external paste tank (mm)	775/1132	775/1132	775/1132	775/1132	775/1132	775/1132	775/1132
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
Number of dedicated injectors	40	80	80	120	120	160	160
Number of agitation positions	40	80	87	120	127	160	167
Number of scales	1	1	1	1	1	1	1
No. of dye pot trays supplied (for dispensing recipes)	2	4	5	4	7	4	9
No. of solution bottle trays supplied (for making dilutions)	1	2	3	2	3	2	3
No. of dye pot trays can use at one time	1	1	5	1	7	1	9
Maximum No. of dyepots in each tray	6	6	6	6	6	6	6
Maximum No. of recipes in one batch	6	6	30	6	42	6	54
Number of In feed conveyors	-	-	1	-	1	-	1
Number of auxiliary dispense conveyor	-	-	1	-	1	-	1
Number of out feed conveyors	-	-	1	-	1	-	1
Number of in and out feed mechanisms	1	1	-	1	-	1	-
Maximum height of dye pot (mm)	250	250	250	250	250	250	250
Minimum height of dye pot (mm)	80	80	80	80	80	80	80
Min. diameter of dye pot (mm)	34	34	34	34	34	34	34
Readability of dispense scale	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g
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
Accuracy of water (gravimetric)	± 0.1 g	± 0.1 g	± 0.1 g	± 0.1 g	± 0.1 g	± 0.1 g	± 0.1 g
Accuracy of volumetric dispense	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %	± 3 %
Accuracy of paste dispensing (gravimetric)	± 1 g	± 1 g	± 1 g	± 1 g	± 1 g	± 1 g	± 1 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 rec,3 dye, not incl paste)	6 min	6 min	6 min	6 min	6 min	6 min	6 min
Flow rate of dispense water (g/sec)	7.5	7.5	7.5	7.5	7.5	7.5	7.5
Flow rate of dispense auxiliary (g/sec)	-	-	2.5	-	2.5	-	2.5
Flow rate of dispense paste (g/ min)(in air pressure 3kg, paste viscosity 60,000)	162	162	162	162	162	162	162
Readability of Fabric Weigh scale (g)	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g	± 0.01 g
Dimensions Width (mm) unpacked	1824	2350	2397	2876	2923	3402	3449
Dimensions Depth (mm) unpacked	1423	1423	1725	1423	1725	1423	1725
Dimensions Height (mm) unpacked	2007	2007	2007	2007	2007	2007	2007
Weight (kg) unpacked	600	1050	1090	1210	1250	1330	1450
Weight (kg) packed	900	1470	1510	1670	1710	1840	1960
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

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