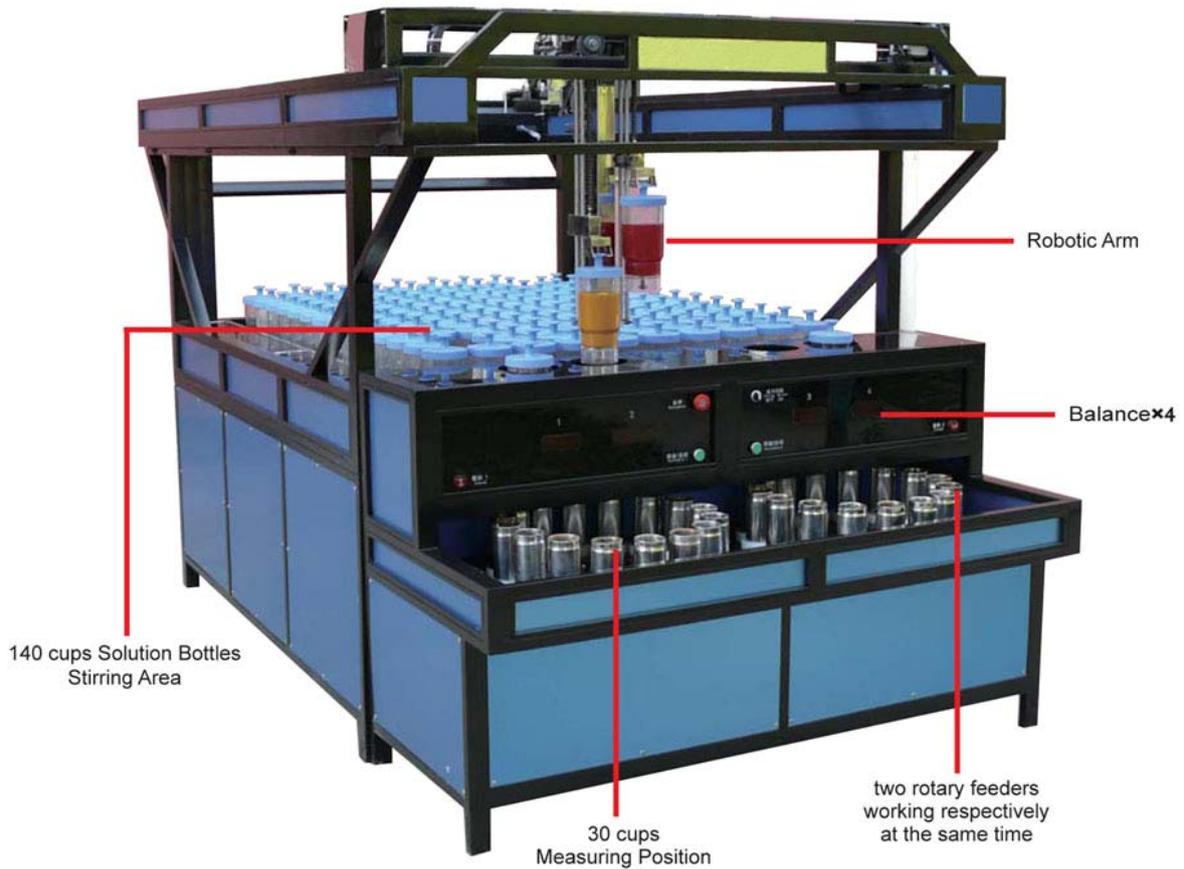
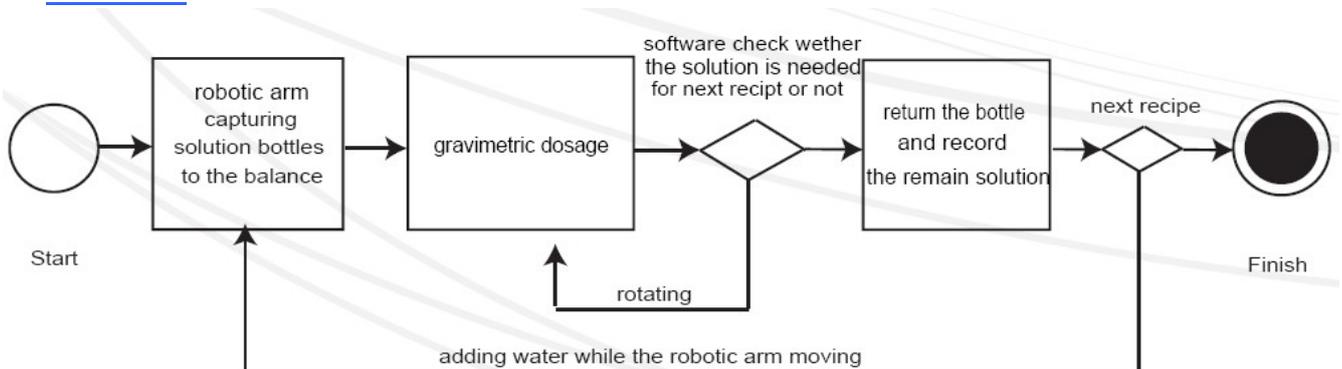


DWD-140 STRAIGHT TUBE-FREE DISPENSING SYSTEM



Flow chart:



MODEL NO.

DWD-140

Application:

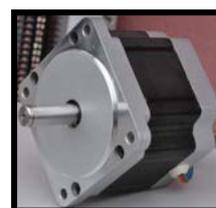
Straight Tube-free Dispensing System is a new integrated system for the preparation of the dyes solutions, dosing of recipes, formula management and possible integration with Color Matching System. The system performs gravimetric dosing with straight solution bottle.

Related Standards:

STANDARDS

Features:

- ✓ **Function of self calibration**
 Robotic arm and purpose-made calibration cup which make 4 balances self-calibrated.
- ✓ **Support dispensing recipe more than 140 solution cups**
 The software will remind you to put the additional cups by manual if over 140 cups are required.
- ✓ **Humanize management of solution**
 Remain solution will be auto-recorded accurately, order of priority of making solution can be known by software and with the function of “dye expiration reminders”.
- ✓ **Modularization design**
 All of the robotic arm, rotary feeder and the dosage device are independent modularization, which of them can work separately while the other modularization being closed.
- ✓ **Robotic arm**
 New design of soft-chain, no injuries to the balance when put the solution bottle on it.
- ✓ **Stepping motor**
 Locate accurately and stop immediately when meeting troubles. No damage to the machine and no hurt to the operator.
- ✓ **Apply to dispense high viscosity liquid in printing industry**
 The adjustable caliber of dispensing head can accomplish high viscosity liquid.



Consumable and Maintenance:

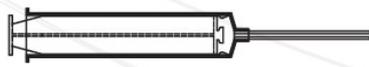
✓ **The conception of straight solution bottle**



- the patent product of internal pressure design
---water pressure can stop leaking
- The straight solution bottle can prevent against sediment
- No need to equip with magnet-valve and magnet
- Unload without special tools
- Easy to clean and maintenance

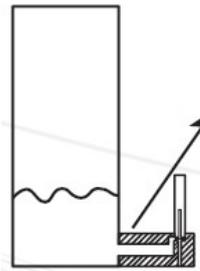


✗ **Injector solution bottle**



1. Glass bottle and injector solution bottle are both consumable
2. Stop leaking material will be inflated while meet auxiliaries, which will influence the accuracy
3. Used injector need to be clean which is waste of time

✗ **Un-straight solution bottle**



1. Lying section---easy to make sediment and need special cleaning tools to clean.
2. Magnet-valve and bottle are unseparated, hard to maintain

✓ **Just 6 magnet valves**

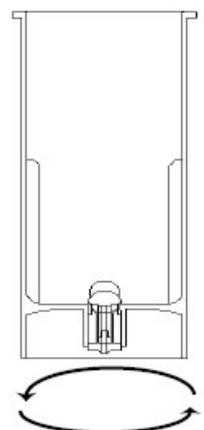
Only 6 pcs magnet valve which reduce consumable and failure rate; same model and fewer magnet valve is easy to maintain

✓ **Key breakthroughs---No mixing magnet**



Magnet -- A hard problem of management

- No mixing magnet, CW/CCW of solution bottle to prevent the sediment
- Rotating time, speed can be set freely
- Only need electric energy, no need air or oil pressure
- Mixing magnet will abrade the bottom



Stock Solution Maker:

✓ New design---Dual balance

Generally, we need 2~10g dyestuffs, we use the 0.001g balance to make sure the accuracy.

- If the room-temp is 26°C and both inside and outside of solution bottle is wet, the evaporation rate would reach 0.01g/20s, which will influence the solution accuracy. Dual balance will overcome the shortcoming.
- The design of dividing balance transducer and control panel make good water-proof.
- Fixed balance on machine table to avoid the level deviation from moving.



0.01g Balance 0.001g Balance
 Solution cup Position Dyestuff Position

Inclined Mixer Station:



Key Specification:

Name	Dispenser	Solution Maker	Inclined Mixer Station
Numbers	140 Cups	-----	8 Cups
Balance Accuracy	±0.02g (With 4 sets)	±0.01/0.001g (With 2 sets)	-----
Power	380V, 1.5KWH	220v, 2.5KWH	220v, 0.12KWH
Dimension	164×335×196 cm	60×56×113 cm	70×29×30 cm
Weight	500 kg	75 kg	50 kg

Standard configuration:



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 TEL: +86-551-65232508
 FAX: +86-551-65232507
 Email: sales@hkdowell.com
 Website: <http://www.fyichina.com.cn>

No.	Item	Quantity	Remark
1	Main machine---Dispenser	1 set	
2	Stock Solution Maker	1 set	
3	Inclined Mixer Station	1 set	
4	Inclined Mixer Cup	20 sets	
5	Solution bottle	140 sets	
6	Solution Bottle Base	5 pcs	Spare
7	Dye Pots Base(can be manufactured as customers required)	32 pcs	
8	Bearing(6004)	4 pcs	Spare
9	Cartridge fuse(20A)	4 pcs	Spare
10	Optoelectronic switch	1 pcs	Spare
11	Snap Rings	10pcs	Spare
14	PU wire(6#)	10 meters	Spare
15	Glass Tube(6#)	5 pcs	Spare
16	Magnet Valve(24V)	2 pcs	Spare
17	Number Tag(1-120)	2 sets	
18	1kg Calibrated Cup with glass balls	1 pcs	
19	Communication cable	1 pcs	
20	Dispensing Head Rubber	30 sets	Spare
22	Dispensing Head	10 pcs	Spare

Optional Configuration:

No.	Item
1	
2	
3	