

**Dispensing Robot  
Model 8433  
X-Y Travel:  
400x400mm**



**Dispensing Robot  
Model 8333  
X-Y Travel:  
300x300mm**

These desktop Dispensing Robots are simple-to-use and designed for the automation of dispensing operation to minimize working hands. Additionally automated dispensing solution provides precise fluid dispensing. These Robotic Dispensers have 3-Axis high resolution control system which provide easy programming for dots, lines, circles, arcs etc. Besides increasing productivity, these also lower production cost because there is no wastage of dispensing materials.

**Features:**

- Hand-held programming Pendant for faster and easier programming of different dispensing programs
- High-precision stepper motors with precise Controller ensures precise dispensing trajectories
- Dispensing speed and time, both can be set independently for each of different stored programs
- Variety of Dispensing Needles, Syringes, Dispensing Valves etc. to meet different dispensing requirements.

**Specifications**

Model		Model 8433	Model 8333	Model 8233
Input Supply		100 ~ 240V AC, 50Hz		
Power Consumption		80W		
Number of Axis		3		
Moving Range	X	400mm	300mm	250mm
	Y	400mm	300mm	250mm
	Z	100mm	100mm	100mm
Moving Speed	X	0.1 ~ 600 mm/sec		
	Y	0.1 ~ 600 mm/sec		
	Z	0.1 ~ 300 mm/sec		
Repeat Accuracy	X			
	Y	±0.02 mm		
	Z			
Demo File Capacity		≤999, max 60000 points		
Process File Capacity		≤255		
Dimensions (approx)		570Wx575Dx580H mm	470Wx480Dx580H mm	420Wx425Dx580H mm
Weight		39 Kg (approx.)	35 Kg (approx.)	31Kg (approx.)

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Warranty is 12 months from the date of invoice. It excludes all consumable parts as Nozzles, Barrel etc. and any physically damaged parts.

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Various types of Dispensing Controllers are available.



Model 982LLA



Model 982SL



Model 982SA



Model 982S2

Different types of Pressure Tanks for different types of dispensing fluids



600mL Stainless Steel Pressure Tank



1, 2 & 2.5L Pressure Tank



3, 5 & 10L Carbon Steel Pressure Tank

Variety of Dispensing Barrels and other Accessories for different applications



37mL & 50mL AB Glue Barrel



6, 8 & 12 Ounce Barrel



300mL & 330mL Silicon Gel Barrel



Tooth Paste Barrel



Silicon Gel Connector



8005B Syringe Heating System

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**Various Dispensing Valves for different types of dispensing fluids application**

Model	Structure Type	Control Method	Feeder Dimension	Air Pressure	Applications
 <b>QVD2121</b>	Thimble	Double Move	1/8	0.4~0.7MPa	Good flow ability, Low adhesivity, Lubricating Grease, Adhesive, Alcohol, ink, UV Gel, Paint, Oil
 <b>QVD19</b>	Thimble	Double Move	1/8	0.4~0.7MPa	Good flow ability, Medium adhesivity, Black Gel, Adhesive, Alcohol, ink, UV Gel, Paint, Oil
 <b>QVD25</b>	Thimble	Single Move	1/8	0.4~0.7MPa	Good flow ability, Medium adhesivity, Black Gel, Adhesive, ink, UV Gel, Paint, Oil
 <b>QVH2222</b>	Suck Back	Double Move	1/8	0.4~0.7MPa	Bad flow ability, Medium adhesivity, Grease, Silicon Gel, Epoxy Adhesive, Solder Paste, Oil
 <b>QVH30</b>	Suck Back	Double Move	1/4	0.4~0.7MPa	Bad flow ability, Medium adhesivity, Grease, Silicon Gel Yellow Gel, Epoxy Adhesive.
 <b>QVZ30</b>	Plunger	Single Move	1/8	0.4~0.7MPa	Good flow ability, Medium adhesivity, Black Gel, Adhesive, Induction Oil, Milky White Gel, UV Gel
 <b>QVD3075</b>	Thimble	Double Move	1/4	0.4~0.7MPa	0.1-3g Adjustable, Butter, Solder Paste, Lubricating Oil
 <b>QVH3242AB1</b>	Single Air Cylinder Adjustable Suck Back	Double Move	1/8	0.4~0.7MPa	AB Double Group Gel, Medium Feeding Volume, Total Feeding Volume Adjustable
 <b>QVWM-530TS</b>	Fan Shape Jet Value	Double Move	1/8	0.4~0.7MPa	Medium and low adhesive fluid, Large scale painting (5-15mm)

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**Wide range of Barrels and Needles for different dispensing applications**

**Syringe Adaptors**

Straight design in conjunction with high precision piston, with excellent flow properties and high withstand voltage characteristics, can achieve precise dispensing.

Model	Adapter
10CC	10CC
30CC	30CC
55CC	55CC
300CC	300CC



**Dispensing Needles**

Each needle is made using precision machining, precision polishing needle tube wall, no edges, to ensure continuous dispensing accuracy.

**Stainless Steel Needles**



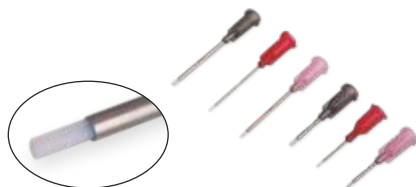
Model	Inner dia	Outer dia
14G	1.60mm	2.10mm
15G	1.40mm	1.80mm
16G	1.26mm	1.60mm
18G	0.86mm	1.26mm
20G	0.60mm	0.90mm
22G	0.40mm	0.70mm
23G	0.33mm	0.63mm
25G	0.26mm	0.50mm
28G	0.15mm	0.35mm

**Plastic Base Stainless Steel Needles**



Model	Inner dia	Outer dia
14G	1.52mm	2.10mm
16G	1.25mm	1.60mm
18G	0.84mm	1.27mm
20G	0.60mm	0.91mm
21G	0.51mm	0.82mm
22G	0.41mm	0.72mm
23G	0.34mm	0.64mm
25G	0.26mm	0.51mm
28G	0.18mm	0.40mm

**Teflon Needles**



Model	Hole Dia
21G	0.51mm
25G	0.30mm
27G	0.20mm

**All-Plastic Inclined Needles**



Model	Hole Dia
14G	1.55mm
16G	1.21mm
18G	0.84mm
20G	0.61mm
22G	0.41mm
25G	0.26mm

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