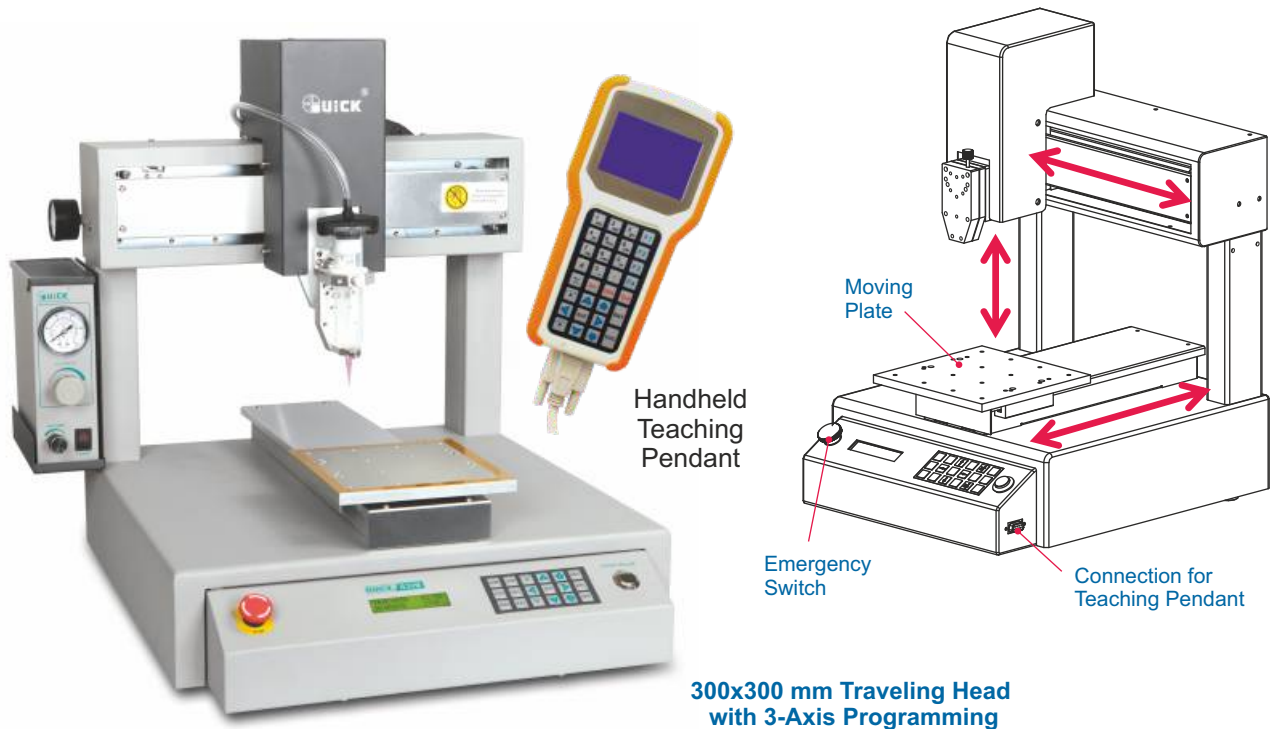


Low priced Highly Reliable Dispensing Robot Model 8320A

provides higher production rate without increasing workforce, avoids wastage of dispensing materials and provides consistency in every dispensing cycle



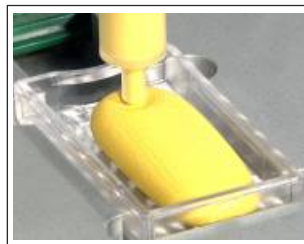
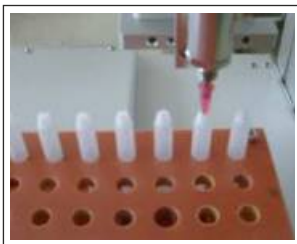
This desktop Robot is designed for the automation of dispensing operation to minimize working hands. Besides increasing productivity, it also lowers production cost because there is no wastage of dispensing materials. It is a fully-automatic and high resolution control system with 3-axis movement. This also provides easier programming instructions, more parameters, a larger memory space and higher speed. It increases production rate.

Features:

- High cost-effective platform linear structure
- Hand-held programming pendant for faster and easier programming
- High-precision stepper motor control, dispensing precise trajectory.
- The dispensing speed, time can be set independently.
- A variety of dispensing needles, syringes, dispensing valve, and a controller, to meet different requirements.

Scope of Supply:

- | | |
|--|------------------------------|
| • Main Unit | • Cover for Nozzles (2pcs) |
| • Teaching Pendant with interface Cord | • Adaptor |
| • Allen Key Box | • Dispensing Barrel & Piston |
| • Dispensing Controller with Cord | • Nozzles (12 Pcs) |
| • PU Tube (8mm dia x 2.5 meter length) | • Instruction Manual |



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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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Specifications of Dispensing Robot Model 8320A

| | |
|---|--|
| Input Supply | 230V, 50 Hz, 80 Watt |
| Axis | 3 |
| Movement Range in X Direction | 300 mm |
| Movement Range in Y Direction | 300 mm |
| Movement Range in Z Direction | 100 mm |
| Speed Range in X Direction | 0.1~600 mm/sec |
| Speed Range in Y Direction | 0.1~600 mm/sec |
| Speed Range in Z Direction | 0.1~300 mm/sec |
| Repeat Accuracy(mm) in X, Y & Z Direction | 0.02 mm |
| Resolution in X, Y & Z Direction | 0.01 mm |
| Loaded Weight Worktable | 5 Kg |
| Loaded Weight Head | 2 Kg |
| Speed Control | 3-dimensional linear and circular interpolation, with a look-ahead processing of automatic speed |
| Gluing Compensation | Early plastic, advance off plastic, rubber switch delay segment drawing, etc. |
| CAD graphics support | Provided by the supporting software DXF import graphics and G codes, support manual drawing |
| Demo File Capacity | ≤999, Max 60000 Points |
| Processed File Capacity | ≤255 |
| Size W×D×H(mm); Weight (kg) | 420x480x500 approx; 27kg approx. |

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Available consumables for Dispensing Robot

Syringe Adaptors

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

| Model | Adapter |
|-------|---------|
| 10CC | 10CC |
| 30CC | 30CC |
| 55CC | 30CC |
| 300CC | 300CC |



Dispensing Needles

Each needle 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 |

All-Plastic Inclined Needle



| Model | Aperture |
|-------|----------|
| 14G | 1.55mm |
| 16G | 1.21mm |
| 18G | 0.84mm |
| 20G | 0.61mm |
| 22G | 0.41mm |
| 25G | 0.26mm |

Teflon Needle



| Model | Aperture |
|-------|----------|
| 21G | 0.51mm |
| 25G | 0.30mm |
| 27G | 0.20mm |

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