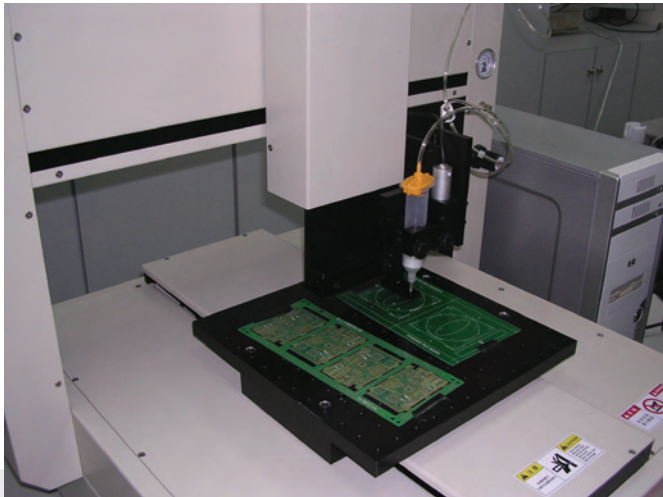


General Description

G3 Robotic Dispenser is a high accuracy automatic dispensing system available in both bench-top and free standing versions to suit a wide range of applications and production volumes.

Employing easy to use, operator friendly, Windows® based software, the system can be programmed to handle a large number of different assemblies with differing dispensing requirements within the same work-table.



G3 TableTop Dispenser 301 showing Offset and Orientation Versatility

Using new CCD "Sphere scene image position compensation technology", the systems can recognise the basic position of work pieces and distinguish where datum points (fiducials) are located. This function can also recognise any skew in the work piece and, from the high-speed image, is able to make the necessary deflections to ensure correct location dispensing.

This software program has an image recognition function that automatically compensates for user error by distinguishing the position and angle of the datum point and correcting the error automatically. This ensures that the quality of work is not affected by inaccurate input calculations.

System programming can also be done using a joystick control.



G3 Dispenser can be used with any liquid, paste or gels

In addition, dispensing misalignment occurring during a production run, due by vibration etc., increases exponentially. The G3 software can reset the machine at anytime back to the original settings.

The system also feature programmable dispensing parameters thereby offering reliable liquid/semi-liquid control.

It can be used with any liquid, paste or gel material including adhesives, solder pastes, gasketing compounds, coatings including conformal coatings, UV curables, epoxies, silicones, etc..

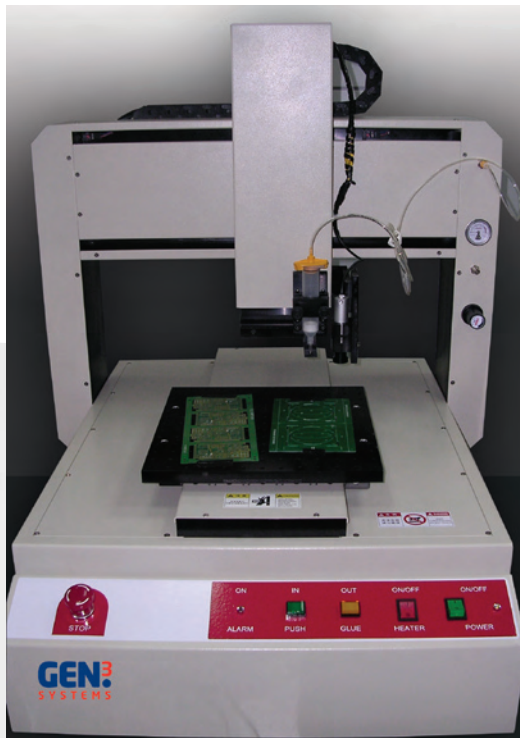
Options:

- Heated work-table
- Digital Dispensing
- Servo actuated precision valve
- Servo controlled 4th Axis / θ Dispensing Angle



G3 Dispenser - Main Features

- The volume of liquid, speed and dispense time are independently controllable, no leakage and no tails
- AC servo X, Y, Z three dimension motion: dot, line, arc, circle or random path
- Integration application software (copy with mirror, move & rotation)
- Custom program with setup wizard, WYSIWYG (what you see is what you get)
- Image recognition and automatic compensation using colour CCD aid to minimise operator error
- Programmable with vision aid, trace route display and auto- compensation to provide high accuracy
- SPC Ready - Statistical recording of volumes and types produced and materials consumed
- Suitable for big items or big area components with MAX 500Lx450W(mm)
- Optional Servo actuated plunger vacuum precision valve for optimum precision dispensing applications



Specification	Model 301 TableTop
Single X, Y work area (mm)	240 x 280
Dual X, Y work area (mm)	N / A
Max Height in Z-axis (mm)	80
Resolution (mm)	± 0.01
Repeatability (mm)	± 0.025
Phase Speed (mm/s)	0 - 800
3 axis control	AC Servo
CCD Image Position Compensation	Standard
CCD Check	Standard
Interface	PC & Windows®
Screw plunger vacuum valve	Option
Dimensions Length x Width x Height (mm)	760 x 860 1200
Weight (Kg)	150
Power	230V 50HZ
Air Pressure (Kg/cm2) (PSI) (Bar)	Min 5 (72) (5)

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A SHARE-GEN SYSTEM