

# CAM/ALOT 1818

## LIQUID DISPENSING SYSTEM



The CAM/ALOT 1818 Liquid Dispensing System provides reliable dispensing for medium to high production environments. System may be configured for a variety of stand-alone applications.

- Dispensing area: 18" x 18" (450mm x 450mm); accommodates up to four 10" x 10" (250mm x 250mm) boards
- Accommodates 3 oz. and 6 oz. (75cc and 150cc) syringe cartridges
- Lead screw drives on all three axes
- Closed loop servo motors

The CAM/ALOT 1818 utilizes the following advanced dispensing technologies:

- Rotary positive displacement pump technology for flexible, reliable dispensing;
- IBM 486 PC with enhanced software features for highly accurate and repeatable performance;
- Linear bearing slides for smooth point-to-point movement;
- Hinged wire tracks and safety "bump switches";
- Welded steel frame for exceptional rigidity.

### SPECIFICATIONS

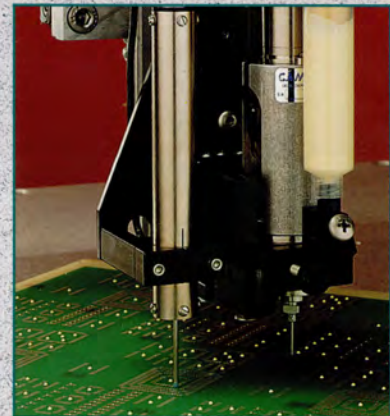
Travel X Axis	18" (450mm)
Travel Y Axis	18" (450mm)
Travel Z Axis	4.5" (113mm)
Resolution	.001" (25 microns)
Repeatability	± .002" (± 50 microns)
Speed	10 IPS (250 mm/sec)
Dispensing Method	Time/Pressure (standard)
Dispensing Rate	16,000 dots per hour*
Computer	486 PC with VGA graphics and RS232
Sub Patterns	400 per program
Program Storage	540MB Hard Drive
Program Length	32,000 points

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Program Method	Teach mode with trackball
Dot Placement Accuracy	±.003 (±75 microns) @ 3 Sigma
Color	Beige frame, beige panels
Weight (approx.)	750 lbs. (340 kilos)
Size (WxDxH)	44" x 47" x 54" (1118mm x 1194mm x 1372mm)
Acoustic Noise	68 DBA
Power Requirements	115 Volts, 60 Hz, 10 Amps
International	220 Volts, 50/60 Hz, 10 Amps
Pneumatic Requirements	80 PSI, 1 CFM, 5 Micron filtered dry air

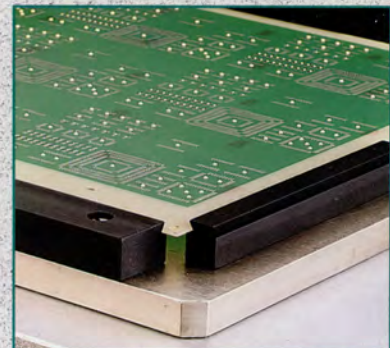
\*.120" (3mm) centers  
Specifications subject to change without notice.  
Special configurations quoted upon request.

O P T



#### Touch Probe

Z-axis sensor measures board flatness to ±.0005 inch and automatically adjusts the height of the dispensing needle. Creates minimal pressure (3 grams) on the dispensing surface.



#### Magnetic Fixtures

Adjustable, flexible tooling plates that allow operators to position as many as ten boards on the dispensing surface at one time.

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#### Bevel Point Piston

Works as an on/off flow stop for low-viscosity liquids. It ensures fast flow and quick shut-off due to the rapid double action of the pneumatic bevel point piston.

