

CAM/ALOT 5000

LIQUID DISPENSING SYSTEM



The CAM/ALOT 5000 Liquid-Dispensing System provides high-speed adhesive or solder paste dispensing for applications involving large boards or multi-up panels:

- 25,000 dots per hour for 50 mil pitch solder paste
- 22,000 dots per hour for 3mm pitch SMD epoxy
- Dispensing area: 18" x 18" (450mm x 450mm)

The CAM/ALOT 5000 utilizes rotary positive displacement pump technology for dependable high-speed dispensing; enhanced mechanical design and lead screw drives on all three axes; larger, faster servo motors for high-speed applications; linear bearing slides for smooth point-to-point movement; a new servo control system board for greater accuracy and throughput; an IBM 486 PC with enhanced software features; and a fast-acting light curtain system to ensure operator safety.

SPECIFICATIONS

Travel X-Axis	18" (450mm)
Travel Y-Axis	18" (450mm)
Travel Z-Axis	4.5" (114mm)
Resolution	.001" (25 microns)
Repeatability	±.001" (±25 microns)
Speed	10 IPS
Dispensing Method	Time/Pressure (standard)
Dispensing Rate	25,000 dots per hour*
Computer	IBM 486 PC with VGA color graphics and RS232
Program Storage	170MB hard drive; 1.44MB 3.5" floppy disk
Program Length	10,000 points
Sub Patterns	100 per program
Program Method	Teach mode with trackball; download from CAD and/or pick and place machines

CAM/ALOT 5000

Color	Beige frame, beige panels
Weight	1,900 lbs (862 kilos)
Size (W x D x H)	60" x 42" x 60" (1524mm x 1067mm x 1524mm)
Acoustic Noise	68 DBA
Power Requirements International	115 Volts, 60 Hz, 10 Amps 220 Volts, 50 Hz, 10 Amps
Pneumatic Requirements	80 PSI, 1CFM, 10 Micron Filtered Air
Conveyor	60" (1524mm) belt conveyor with hand crank adjustable width
Conveyor Lift Plate	18" x 18" (450mm x 450mm) with vacuum support pins
Light Tower	Three-color light tower standard (Red, Amber, Green)
Safety Interlock	Light curtain standard; optional Lexan guard

* 50 mil centers (1.25mm)
Specifications and color subject to change without notice.
Special configurations quoted upon request.

Front Cover: Solder paste on 20 mil (.5mm) pitch and SMD epoxy dots for 0603, 0805, 1206, and SOT components.

APPLICATIONS

