



PVA

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PRODUCTION



PVA650SMT

SURFACE MOUNT ADHESIVE DISPENSING SYSTEM

The PVA650SMT is the ideal choice for any surface mount adhesive dispensing application. Utilized as a standalone or inline process, the PVA650SMT offers a robust lean manufacturing solution for underfill, encapsulation, or dam and fill applications. The PVA650SMT features three-axis continuous motion over a large 500 mm x 500 mm 100 mm (19.68 in x 19.68 in x 3.94 in) work area.

The PVA650SMT has many integrated features including:

- ▲ 640 x 480 pixel CCD vision system with fiducial recognition, XY and rotational correction, and LED diffused red ring light.
- ▲ Class 2 laser height sensor with 30 mm (1.18 in) to 130 mm (5.12 in) range and 0.06 mm (0.002 in) resolution.
- ▲ Automatic needle calibration sensor.
- ▲ Optional contact or non-contact substrate heating with a process tolerance of +/- 2 degrees Celsius.
- ▲ Dell® workstation with flat panel monitor and PathView™ programming software.

For more information on PVA's dispensing capabilities, please contact one of our sales representatives at (518) 371-2684.

SYSTEM SPECIFICATIONS

Motor:

Brushless DC servo

Drive Mechanism:

Ball screw slide

Work Area:

500 mm (X) x 500 mm (Y) x 100 mm (Z) (19.68 in x 19.68 in x 3.94 in)

Travel Speed:

0 to 700 mm / sec (0 to 27.56 in / sec)

Payload Capacity:

25 lbs (11.36 kg)

Repeatability:

0.025 mm (0.001 in)

Resolution:

0.015 mm (0.0006 in)

Power Requirements:

120V, 220V, +/-10%, 50-60 Hz

Air Requirements:

80 psi dry, unlubricated air

Programming Software:

PathView™

Program Storage:

Dell® personal computer

Teach Method:

Trackball

Conveyor Speed:

Programmable up to 80 ft/min (24.4 m/min)

Conveyor Compatibility:

SMEMA

Conveyor Process Flow:

Programmable right to left or left to right

Conveyor Edge Clearance:

SMEMA standard 4.7 mm (0.185 in)

Component Clearance:

50.8 mm (2.0 in)

Belt Conveyor Weight Limit:

5 pounds per section

Chain Conveyor Weight Limit:

15 pounds per section

Certification:

CE certified



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