

ASYMTEK SC-450 PreciseCoat® Jet

Highly Selective, Precision Conformal Coating Applicator

Features and Benefits

- Specifically designed to improve KOZ adherence and selectivity.
- Thin line and small volume precision dots, down to 1.5 mm.
- Ideal for urethanes (UV-curable), silicones, and acrylics, 125 to 1200 cps.
- Integrated heated fluid path enhances process stability.
- Less frequent valve maintenance, typically once every 3 months.
- Easy and consistent valve setup.
- Easy to assemble & disassemble with minimal tools.
- Supports multiple sizes and types of needles.
- Available in dual-simultaneous configurations – reducing coating process time up to 50%.

Industry trends of board miniaturization and increased board density are growing. The SC-450 provides selectivity, small volume dispenses, and set-up consistency.

The SC-450 PreciseCoat® applicator is ideal for jetting narrow-width conformal coating lines while maintaining accessibility to taller components with a wider fluid viscosity range than previous applicators. The SC-450 is designed for coating small substrates, substrates with tall and high-component density, and for situations when it is essential to adhere to the keep-out-zone (KOZ).



SC-450 Applicator

Small volumes and increased material control deliver line widths down to 1.5mm. Coating edge accuracy eliminates the need for masking. The SC-450 allows for coating process close to large components on a board.

The SC-450 applicator works on ASYMTEK Select Coat® SL-940 and SL-1040 conformal coating systems, using Easy Coat software to program your unique coating process. Multiple dot sizes can be delivered from the same applicator, yielding small volumes with good volume control.

SC-450 Applicator Specifications

General Specifications

For use on ASYMTEK conformal coating Systems: SL-1040 and SL-940

Operation: pneumatically driven

Integrated Fluid path heater – Heats fluid on demand to maintain stable viscosity

Weight: 410 g (0.9 lb)

Typical fluid dispense pressure: 34 to 448 kPa (5 to 65 psi)

Typical needle length: 6 - 13 mm (0.23 - 0.51 in.)

Compatible Options

- Four-Position Tilt
- Dual-Simultaneous Programmable Pitch
- Qadence™ Flow Control System

Application Parameters

Tested chemistries: Urethanes (UV curable), Silicones, and Acrylics

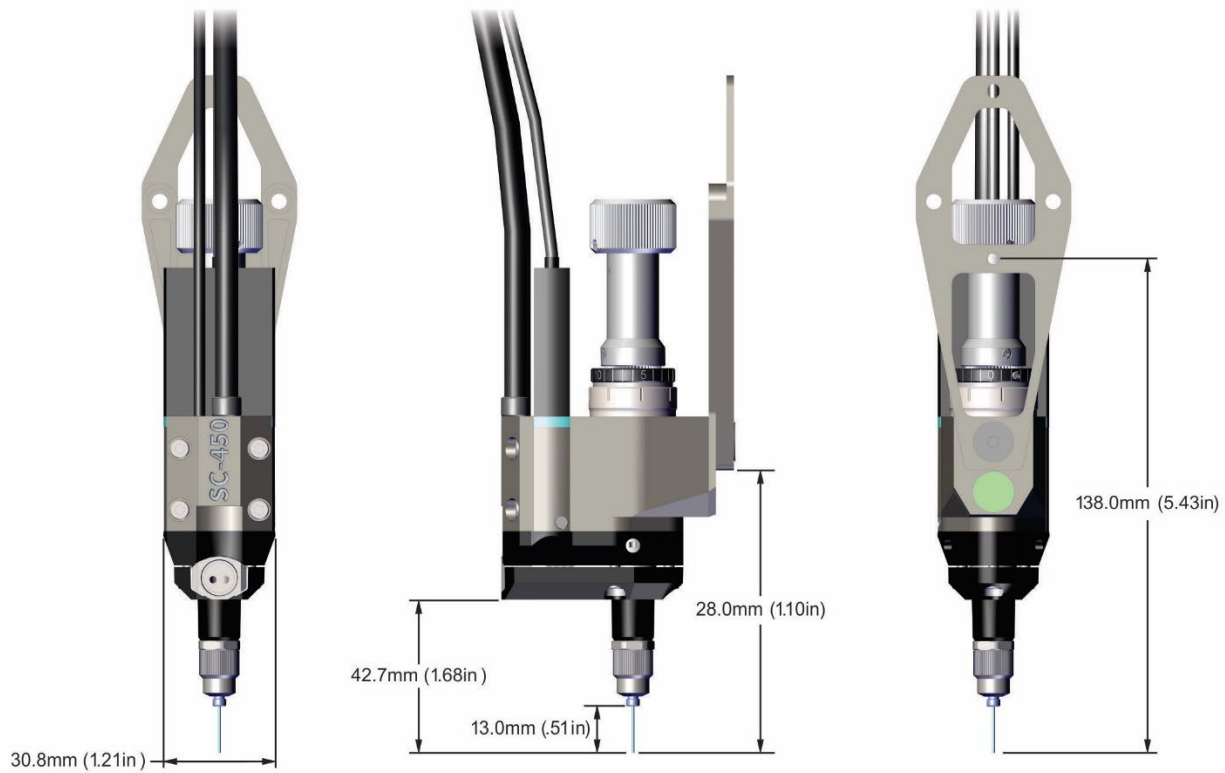
Material viscosity range: 125 to 1200 cps

Dot size down to: 1.5 mm

Dispense Height: 2 mm

SC-450 Applicator Specifications

Dimensions in millimeters (inches). Specifications and dimensions subject to change.



For more information, visit our website to find your local regional office or representative. We have several global locations to serve you.

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