

# ASYMTEK SC-450 PreciseCoat Jet

Highly Selective Precise Conformal Coating

## Features and Benefits

- Improve keep-out zone (KOZ) adherence and selectivity significantly.
- Reduce coating process time by up to 50% with dual-simultaneous applicators.
- Ideally suited for UV-curable urethanes, silicones, and acrylics at 125 to 1200 cps.
- Achieve thin lines and precise small-volume dots down to 1.5 mm.
- An integrated heated fluid path enhances process stability.
- Minimal quarterly maintenance.
- Easy and repeatable setup process.
- Assemble and disassemble with minimal tools.
- Choose from several needle sizes and types.

As the trend towards board miniaturization and higher component densities continues, applying conformal coatings in increasingly small volumes with selectivity and consistency is crucial to ensure long-term product performance and reliability.

The SC-450 PreciseCoat® applicator meets these unique challenges through repeatable process setup, selectivity and process control enhancements, and a more comprehensive range of supported fluid viscosities than earlier applicators.

**Compatibility.** The SC-450 is compatible with the ASYMTEK Select Coat® SL-940 and SL-1040 conformal coating systems and EasyCoat® software that features simple drag-and-drop programming on or offline.

When paired with the Select Coat SL-1040, the applicator is ideal for dispensing UV-curable urethanes, silicones, and acrylics at 125 to 1200 cps.



Select Coat SL-1040 triple-applicator configuration with the SC-450.

**Narrow jetting and selectivity.** The SC-450 skillfully jets narrow lines onto small, densely populated substrates with advanced selectivity while accommodating tall components and adhering to extremely tight keep-out zones (KOZ).

**Consistent control.** With greater process control, the applicator delivers small volumes of material in line widths down to 1.5 mm. Advanced edge definition makes coating close to large components possible and eliminates the need for masking. The valve delivers varied dot sizes from the same applicator, yielding small volumes with excellent control.

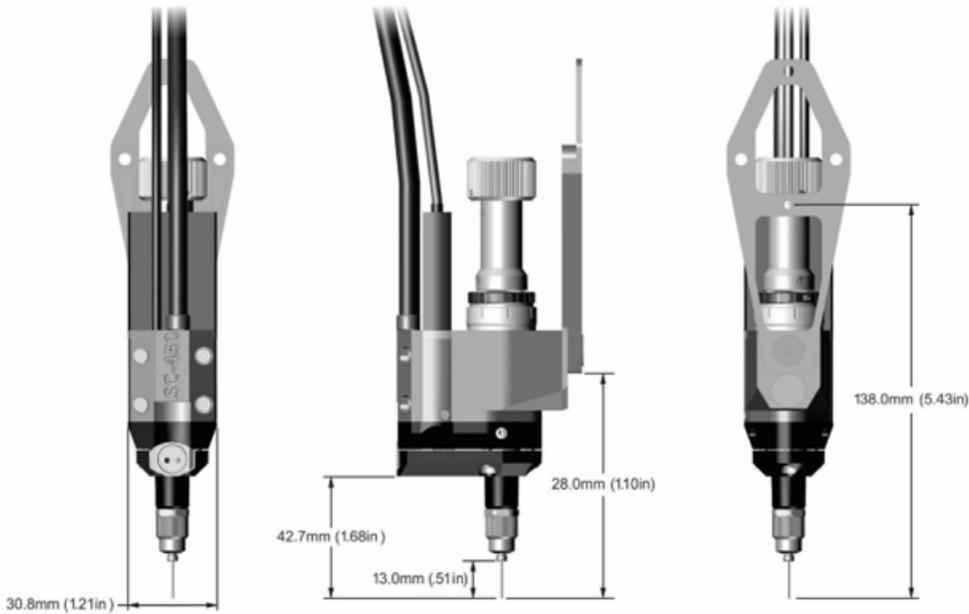
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## Specifications

<b>General</b>	For use on ASYMTEK conformal coating Systems	ASYMTEK Select Coat® SL-940 Series ASYMTEK Select Coat® SL-1040 Series
	Operation	Pneumatically driven
	Integrated fluid path heater	Heats fluid on demand to maintain consistent 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.)
<b>Compatible Options</b>	Four-Position Tilt	
	Dual-Simultaneous Programmable Pitch	
	Qadence™ Flow Control System	
<b>Application Parameters</b>	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

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## Applicator Dimensions



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.

North America  
Asia Pacific  
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