

# ASYMTEK SC-450 PreciseCoat Jet

Highly Selective Precise Conformal Coating

## Features and Benefits

- Achieve fine, smooth lines using the shooting-on-the-fly technology in EasyCoat® software.
- Improve keep-out zone (KOZ) adherence and selectivity significantly.
- A Needle Sensor Module verifies the needle tip location for closed-loop positioning.
- 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.
- An integrated heated fluid path enhances process stability.
- Minimal quarterly maintenance. Easy, repeatable setup. Assemble and disassemble with minimal tools.
- Choose from several needle sizes and types.

As boards shrink and component density increases, precise, selective coating is critical for reliability. The SC-450 PreciseCoat® Jet delivers repeatable setup, enhanced control, and support for a wider range of viscosities.

**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.

**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).



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

**Consistent control.** With greater process control, the applicator delivers small volumes of material in thin lines and precise small-volume dots 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.

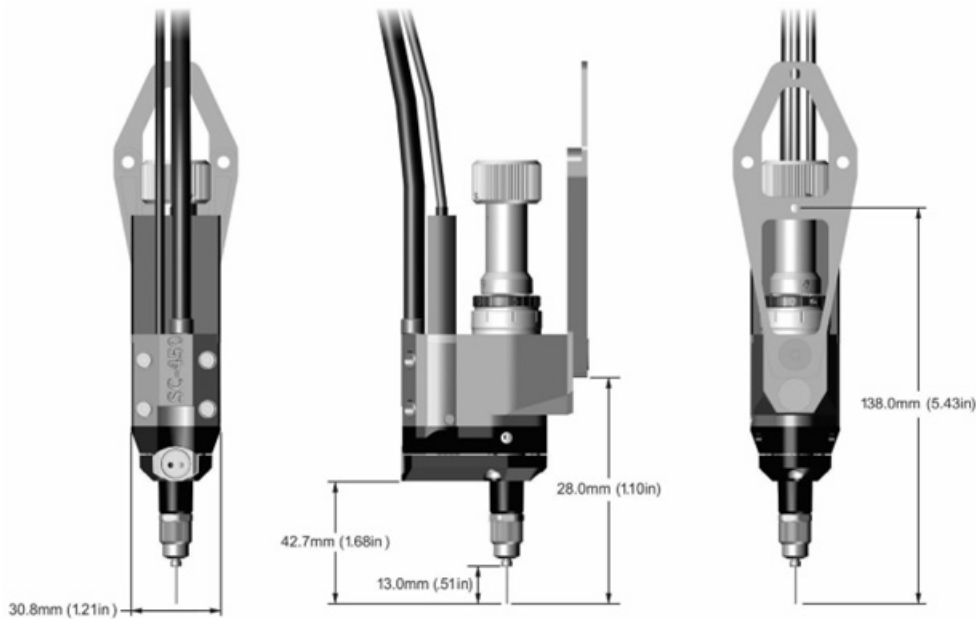
**The Four-Position Tilt capability** enables the applicator to quickly shift between a vertical position and four 30-degree tilt angles—right, left, forward, and backward. This enhanced flexibility allows access to hard-to-reach areas on densely populated boards. Through EasyCoat software, programmers can also set and fine-tune tilt and rotation parameters for each coating feature, improving precision and 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	Electrically controlled, air open, spring close
	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 Accessory	
	Dual-Simultaneous Bracket	
	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

## Applicator Dimensions



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  
EMEA

[www.nordson.com/electronics](http://www.nordson.com/electronics)  
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Dimensions in millimeters (inches). Specifications and dimensions subject to change.

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