

# Dual-Simultaneous Bracket

For ASYMTEK Select Coat SL-940 Conformal Coating System

## Features and Benefits

- Reduces coating process time by 50% – resulting in significant UPH improvement
- Offered with manual or motorized pitch adjustment
- Dual-Simultaneous Programmable Pitch (motorized) – enables automated, high-mix production environments by eliminating operator dependencies and setup time
- The versatile design supports current and future coating application needs
- Compatible with most ASYMTEK fluid systems

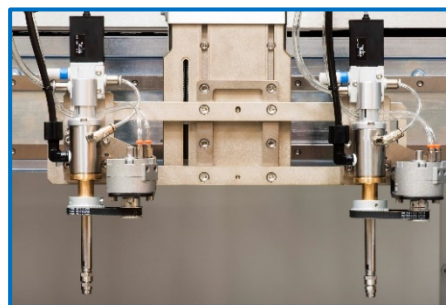
With Dual Simultaneous, the Select Coat® SL-940 conformal coating system can be equipped with two of the same applicators that operate simultaneously to coat two parts at the same time. The Dual-Simultaneous brackets are available with manual or motorized pitch adjustment.

**Pitch is adjusted** in two ways depending on the type of bracket. With the manual bracket, an operator can easily change and clamp the desired pitch using set-screws. With the Dual-Simultaneous Programmable Pitch motorized bracket, the pitch is automatically repositioned to match the pitch programmed in EasyCoat® software – increasing speed, accuracy, and repeatability.

**Throughput** is increased significantly with the Dual-Simultaneous configuration. The SL-940 system can coat two parts (multiple-up) at the same time. The actual conformal coating process time is reduced by 50%, and throughput performance is virtually doubled – especially when conducting a conformal coating process with a long process time. Ideal parts include multi-up panelized or patterned parts with consistent spacing.



Dual-Simultaneous Programmable Pitch



Dual Simultaneous

EasyCoat software allows the programmer to disable the second applicator when there is no need for simultaneous coating. Or when verifying bad-marks or pallet load status, using either the board present sensor or automated vision features.

**Flexibility** is high in both configuration and the ability to accommodate a variety of parts that require conformal coating. Dual-Simultaneous brackets support a wide range of ASYMTEK conformal coating applicators. The design not only supports current application needs but also meets future application needs by simply changing applicators. Additionally, applicators can be installed with rotate-and-tilt options to conformally coat complex PCB layouts.

# Dual-Simultaneous Bracket Specifications

## Motion System

Speed:	30 mm/s (1.18 in./s)
Positional resolution:	0.15 mm (0.006 in.)
Positional repeatability (with 200 mm pitch)	
X-Axis:	0.15 mm (0.006 in.) @ 3 $\sigma$
Y-Axis:	0.60 mm (0.024 in.) @ 3 $\sigma$
Z-Axis:	0.60 mm (0.024 in.) @ 3 $\sigma$

## Dual-Simultaneous Programmable Pitch – Motorized Adjustment

Dual Applicator	Minimum Pitch	Maximum Pitch
SC-200	115 mm (4.53 in.)	200 mm (7.87 in.)
SC-300	60 mm (2.36 in.)	
SC-204/5	102 mm (4.02 in.)	
SC-104/5		
SC-280C/N		
SC-400		
DV-01	60 mm (2.36 in.)	
DV-03		
DV-05		
DV-07		
DV-09		

## Dual Simultaneous – Manual Adjustment

Dual Applicator	Minimum Pitch	Maximum Pitch
SC-200	92 mm (3.62 in.)	218 mm (8.58 in.)
SC-300	60 mm (2.36 in.)	255 mm (10 in.)
SC-204/5	92 mm (3.62 in.)	218 mm (8.58 in.)
SC-104/5	100 mm (3.93 in.)	
SC-280C/N	96 mm/58 mm* (3.8 in./2.28 in.)	227 mm (8.93 in.)
SC-400	94 mm (3.7 in.)	216 mm (8.5 in.)
DV-01	64 mm (2.52 in.)	255 mm (10.03 in.)
DV-03	60 mm (2.36 in.)	
DV-05	51 mm (2.01 in.)	
DV-07	60 mm (2.36 in.)	
DV-09	64 mm (2.52 in.)	

\*Using mirrored applicator bracket (ESR)

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