



ASYMTEK Select Coat SL-1040 Series

Next-Level Conformal Coating for High-Volume Production

The Select Coat® SL-1040 Series is our most advanced conformal coating solution for high-volume production.

Based on the industry-leading SL-940 and delivering superb total cost of ownership, the SL-1040 takes conformal coating performance to the next level with superior consistency, control, keep-out-zone avoidance, and preventative maintenance enhancements.

Dual and triple applicators maximize throughput, and flexible features support limited operator dependence, efficient changeover, traceability, and set-up consistency for better yield and uptime.

The groundbreaking SL-1040 Ultrasonic Cleaning Station (patent pending) helps you stay spotless and run flawlessly. It prevents conformal coating problems before they occur by keeping nozzles and needles clean, ensuring consistent application performance and superior product reliability.

Move your process forward with the SL-1040 to meet what's now and what lies ahead.

Features and Benefits

- **High accuracy and improved throughput** with up to three applicators.
- **Minimal operator intervention and simple maintenance** for improved uptime and superb total cost of ownership.
- **Standard configurations** minimize lead time.
- **Process control and tracking** with tight control for narrow keep-out zones.
- **Broad fluid support**, including acrylics.
- **Ideal for dispensing silicones and urethanes** when paired with the ASYMTEK SC-450 PreciseCoat® Jet.
- **Ultrasonic Cleaning Station** keeps nozzles clean for uninterrupted reliability and efficiency.
- **Intuitive EasyCoat® system software** supports on and offline programming. Set process parameters, measure, record, and track process outcomes.

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Specifications

Motion System	Type	Closed-loop servo motors configurations: standard products
	X-Travel	517.5 mm
	Y-Travel	537.5 mm
	Z-Travel	100 mm maximum
	X-Y Velocity	1.0 m/s (39.4 in./s) (max)
	X-Y Acceleration	1 g peak (10 m/s ²) (max)
	Z-Axis Velocity	0.5 m/s (max)
	X-Y Repeatability	45 µm @ 3 sigma at standard payload (4.5 kg)
	Z-Axis Repeatability	±100 µm, minimum Cmk of 1.67 at standard payload (4.5 kg)
	X-Y Resolution	2.5 µm
	Z-Axis Resolution	2.5 µm
	Positional Accuracy	±100 µm, minimum Cmk of 1.67 at standard payload (4.5 kg)
Dispense Area	Dependent upon system configuration	Contact Nordson Electronics Solutions for specifics.
Conveyor	Inline	Single-lane standard chain conveyor
	Motor-Driven Width Adjustment	35 to 485 mm (1.4 to 19.1 in.)
	Maximum Clearance	100 mm (4 in.) above and below PCB
	Maximum Pallet/PCB Weight	5 kg (11 lbs.)
Computer	Industrial PC with monitor, keyboard, and trackball	
Software	EasyCoat® 6	Windows® 10 operating system
Fluid Delivery Methods	Precise Non-Atomized Conformal Coating	Select Coat® SC-280 Film Coater (circulating and non-circulating)
	Versatile, Atomized Spray Coating	Select Coat® SC-300 Multi-Mode applicator Select Coat® SC-350 Select Spray applicator
	Highly Selective, Precision Jet Coating	SC-400 PreciseCoat® conformal coating jet SC-450 PreciseCoat® conformal coating jet
	Versatile Valves	DV-01, DV-05, DV-09 valves
Facilities Requirements	System Footprint	1000 mm width x 1330 mm depth (39.3 x 52.4 in.) Computer keyboard/monitor occupy additional 605 (23.8 in.) in the front Lower front door requires 855 mm (33.7 in.) clearance to open. 1000 mm clearance in the rear recommended
	Air Supply	620 kPa (90 psi, 6.2 Bar), up to 0.34 m ³ /min (12 SCFM); ¼-in. male NPT connection type
	Ventilation Rate, minimum	0.094 m ³ /s (200 SCFM @ 1.0 in. water column) Duct: 152.4 mm (6.0 in.)
	Optional Nitrogen Source	410 kPa (60 psi, 4.1 Bar) @ 0.014 m ³ /min (0.84 m ³ /hr 0.5 SCFM); for moisture sensitive materials
	Main Power	100-240 VAC, 10 A (max), 50/60 Hz Note: System can run on 120 VAC without heater option installed.
	Noise	Peak ≤ 74.0 dBA; Average ≤ 73 dBA (with two applicators)
	System Weight	500 kg (1102 lb) max
	Standards Compliance	SMEMA, CE, NFPA 79, SEMI, EN ISO 13849-1 Category 3

Select Coat SL-1040 Series

System Solutions

Nordson Electronics Solutions builds the future of electronics reliability all across the globe. We're proud of the decades of service and solutions we've provided to enhance product reliability. The Select Coat SL-1040 Series is our most advanced conformal coating system, designed to last and provide cutting-edge capabilities continuing a time-honored tradition.

Explore the SL-1040 Series solutions. Continue to see how we support the future.

For more information, contact us at info-electronics@nordson.com.

Dual-Valve Packages

Selectivity	Selectivity in dual valves	Get control and keep-out zone avoidance to reduce masking with this dual-valve toggle configuration and a combination of valve technologies for selectivity.
Productivity	Productivity in dual valves	Reduce downtime with dual-valve simultaneous coating and programmable pitch adjustment, ideal for high-mix production environments. Coat two parts (multiple-up) simultaneously, reducing process time by 50% and virtually doubling throughput performance in high-takt time coating processes.
Precision	Optimal selectivity in dual valves	Get optimal control and keep-out-zone avoidance to reduce masking with a dual-valve toggle, laser height sensing, a high-magnification vision system, and a combination of valve technologies for optimal selectivity.

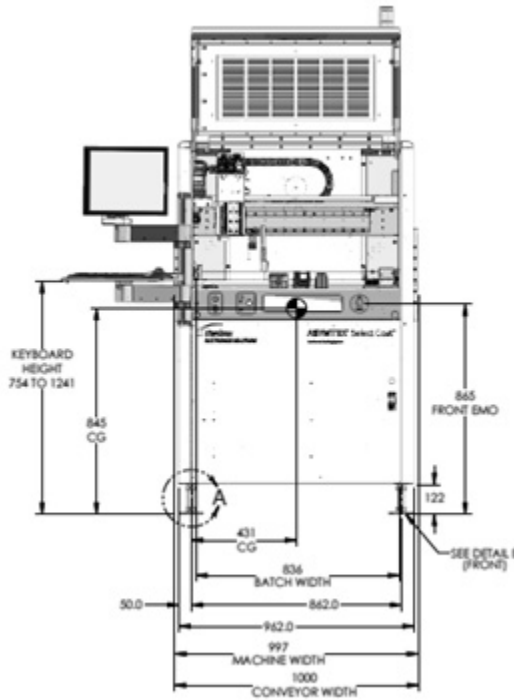
Triple-Valve Packages

Productivity Plus	Optimal productivity in triple valves	Reduce downtime, accelerate throughput, and gain easy access to hard-to-reach areas. Get large area coverage and highly selective coating capabilities with dual-valve simultaneous coating, programmable pitch adjustment, and a third valve, ideal for high-mix production environments.
Multi-Efficiency	Application flexibility in triple valves	Accommodate any conformal coating application on the board with this triple-valve solution. Apply coating in multiple applications, including creating gel dams to prevent fluid flow into keep-out zones.

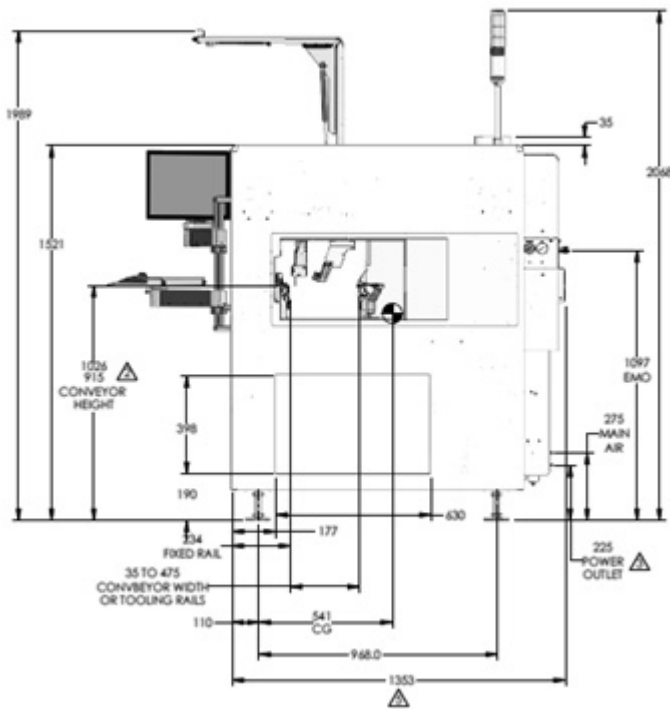
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System Dimensions

Front View



Side View



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For more information, visit our website to find your local regional office or representative.

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Top View

