



Unlock actnano Benefits with Nordson

ASYMTEK Select Coat SL-940 and SL-1040 Conformal Coating Systems



actnano is revolutionizing the electronics industry with high-performance coatings designed to enhance manufacturing efficiency and minimize waste. These award-winning materials eliminate the need for curing ovens, thereby eliminating oven bottlenecks and delivering significant energy savings to streamline the protection of printed circuit board assemblies (PCBAs).

actnano materials are specifically engineered for compatibility with Nordson conformal coating equipment, offering several advantages:

- **ASYMTEK Select Coat® SL-940 and SL-1040 compatibility:** for industry-leading automation, control, yield, and uptime.
- **ASYMTEK spray, needle, and jet valve compatibility:** for fast, consistent, and flexible application.
- **Nordson Test & Inspection AOI system compatibility:** for industry-leading quality and yield.

Whether upgrading from traditional conformal coatings or building a new line, actnano materials seamlessly integrate with the Nordson ecosystem, including applicators and reservoir

tanks. Optional upgrades, such as recirculation systems, extraction filters, and dual ultrasonic cleaning stations, enhance coating stability and support high-volume production.

Process suggestions:

- Use an agitating reservoir to prevent material solids from settling, ensuring consistent and reliable output.
- Consider a circulating fluid system and applicator to stabilize your coating process and avoid material buildup during extended idle periods, enhancing overall efficiency and quality.
- Consider using an extraction filter to manage accumulated material particles proactively.
- Consider adding a dual ultrasonic cleaning station to optimize high-volume production throughput.
- Keep all equipment surfaces clean by regularly removing overspray to ensure smooth operation.

Agitating Reservoirs

The Advanced nanoGUARD™ Titan Series and other actnano materials contain particles suspended in a solvent, which may settle if the material remains still for an extended period. We provide an agitating reservoir that keeps the particles suspended to prevent this issue. You can select a two-gallon or a ten-gallon reservoir equipped with a pneumatic-driven agitator or a ten-gallon reservoir with an electric agitator.

Configuration	Part Number
Agitating Reservoir – 2-gallon	6656181 KIT,RSRVR,2GAL,PNEU-AGI,N-CIRC&CIRC
Agitating Reservoir – 10-gallon	6655727 KIT,RSRVR,10GAL,PNEU-AGI,N-CIRC&CIRC
Agitating Reservoir – 10-gallon	6656180 KIT,RSRVR,10GAL,ELEC-AGI,NON-CIRC&CIRC

Circulating Fluid System

We offer a circulating fluid system integrated into the coating platform. This system continuously circulates material through the fluid lines to prevent particles from settling or building up in the system. Depending on your configuration, the circulating fluid system may be standard on your equipment. If not, you can purchase an upgrade kit to convert to a circulating fluid system.

Fluid System	Part Number
Dual Toggle Select Coat SL-1040 (Standard Circulating)	6656122 SL-1040, DV_TOG,CC,NO-HT,SLSS,PT
Dual Toggle + 3rd Valve Select Coat SL-1040 (Standard Circulating)	6656123 SL-1040, TV_DSPP+T,CCC,NO-HT,2US,SLSS,PT
Upgrade Select Coat SL-1040	6656203 KIT, FL SYS , CIRCULATION,NO HEAT,1040
Upgrade Select Coat SL-940	6656202 KIT, FL SYS , CIRCULATION,NO HEAT,940

Note: If your conformal coating system includes a heated circulating system, you can disable or remove the heater.

Circulating Applicator

The ASYMTEK Select Coat® SC-350 Select Spray applicator and SC-400 Precise Coat® Jet are designed to connect to a circulating fluid system, stabilizing the entire conformal coating process.

Applicator	Part Number
Circulation Compatible Select Coat SC-350 Select Spray	6655728 OPT,SC-350 CRCLT SELECT SPRAY
Circulation Compatible SC-400 Precise Coat Jet	7269681 SC-400 CIRC. PRECISE COAT STD PRODUCT

Extraction Filter

In non-selective spray applications, a substantial amount of air assistance is applied to control coating thickness and optimize throughput. Because of the air-assisted atomization, material particles can disperse and accumulate in exhaust channels and ventilation systems, preventing airflow. To address this, we offer a large-mesh extraction filter with washable and reusable filters to manage particle accumulation.

Filter	Part Number
Extraction Filter	6655973 KIT,EXTR.FILTER,SL-1040/940

Note: An extraction filter is unnecessary for needle or jetting applications that do not involve atomization.

Dual Ultrasonic Cleaning Station – Select Coat SL-1040 Only

Clean two applicators simultaneously, not sequentially, to boost efficiency. The Select Coat SL-1040 features a patent-pending ultrasonic cleaning station, available in an optional dual configuration. This setup is specifically designed for high-throughput applications and is ideal for actnano materials, automatically keeping applicator tips clean and reducing maintenance time.

Dual Ultrasonic Cleaning Station Upgrades	Part Number
Upgrade the SL-1040 with a dual ultrasonic cleaning station.	6656800 KIT, DUAL ULTRASONIC, SERVICE STATION, 1040
Upgrade the SL-1040 with a triple valve configuration that includes a dual ultrasonic cleaning station and dual simultaneous coating action for high-throughput applications.	6656123 SL-1040, TV_DSPP+T,CCC,NO-HT,2US,SLSS,PT

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