

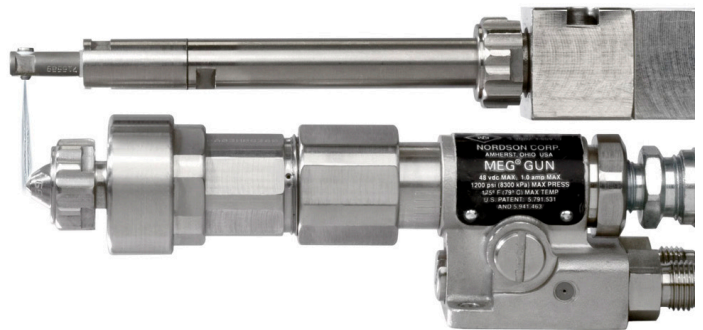
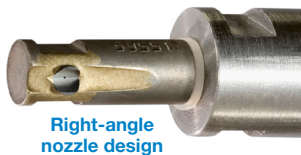
CleanSpray® XT

Automated Nozzle Cleaning System

Clean airless spray nozzles automatically for improved coating quality and increased productivity.

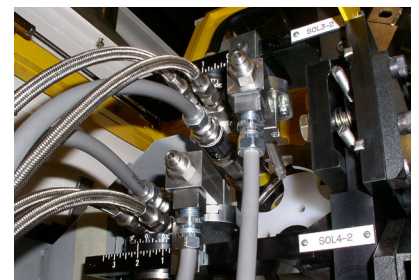
Features and Benefits

- Automatically cleans nozzles after lacquer sprays without stopping production for increased quality and productivity.
- The Nordson® right-angle nozzle design directs spray for efficient and accurate cleaning.
- Soft-seat design of the gun module provides improved durability and a drip- and drool-proof nozzle cutoff.
- Precise mounting design facilitates production set-up, lacquer gun nozzle change and gun rebuild. Eliminates removal of CleanSpray XT gun for repeatable lacquer gun nozzle positioning without stopping production.
- Easily retrofits to existing applications.
- CleanSpray controller integrates with timing mechanism of lacquer spray gun. Indexer automatically resets when cleaning spray occurs.
- Stand-alone controller can be located at each spray machine. Multi-gun controller is conveniently located in spray area.
- Adjustable mounting bracket provides angular position and in/out adjustment for improved flexibility.
- Mounting brackets for many types of spray machines are available.
- Nordson air-operated stainless steel pump features a mechanical air valve for reliable, fast cycling.
- Pneumatic-powered pumps feature patented ScoreGuard pistons for long service life.
- Electric or pneumatic operating pumps available.
- Simple, inexpensive Nordson CleanSleeve® gun covers provide better protection than cardboard shields. Easy to install and replace, they are custom-fit for Nordson airless spray guns.



The patented Nordson CleanSpray XT system automatically cleans airless spray nozzles quickly and effectively, without stopping normal production on the spray machine. The innovative system sprays a low-pressure, short-duration mist of water directly on the nozzle. This process washes away excess coating between lacquer sprays to keep the nozzle face free of material buildup. The result is repeatable and accurate spray deposition for increased production without maintenance.

In conventional canmaking operations, if the CleanSpray System is not used, a large portion of the spray operator's time is required to manually clean nozzles. When nozzles are not cleaned on a frequent basis (as often as once or twice an hour), nozzle capping or partial capping will begin, resulting in spray pattern degradation and quality rejects. If manual cleaning is not performed properly, particles of lacquer can be loosened and dislodged and, in some instances, deposited into cans, also resulting in quality rejects.



Nordson

CleanSpray® XT Automated Nozzle Cleaning System

The CleanSpray XT system cleans nozzles automatically – at the right time and in the right way. Depending on the coating characteristic, manual nozzle cleaning can be reduced to as little as once every 12 hours. And because the automatic process is consistent, variation caused by different operator techniques and capabilities is eliminated.

The CleanSpray XT automated nozzle cleaning system easily retrofits to existing applications. A typical installation uses less than one fluid ounce of water per hour for each gun, which rapidly evaporates. A small amount of added humidity to the spray pocket area makes maintenance and clean up in the exhaust ducts easier and faster.

Precise, Adjustable Mounting Design

The CleanSpray XT gun system features a bracket that mounts directly to the spray machine-mounting frame, on which the CleanSpray XT gun is attached. The CleanSpray XT mounting design makes production set-up easier, and expedites lacquer gun nozzle change or valve removal. It provides easy access to the CleanSpray XT gun and allows for repeatable lacquer gun nozzle positioning for more accurate spray deposition without stopping production.

The adjustable mounting bracket gives full geometric adjustment for easy gun set up, and is available for many types of spray machines.

Flexible System Operation

Cleaning guns are triggered by the CleanSpray controller, which integrates with the timing mechanism of the lacquer spray gun. The process-control system receives the lacquer gun-firing signal, which activates a user-selectable spray indexer. The controller then signals the CleanSpray XT gun to fire after a selected number of lacquer sprays. The indexer is reset when a cleaning spray occurs.

Spray duration and delay are also selectable. System design also restricts operator access to prevent unauthorized adjustment of the timer settings.

Cleaning materials are supplied to the gun by a Nordson air-operated stainless steel pump. The pump features a mechanical air valve for reliable, fast cycling. Pneumatic-powered pumps feature patented ScoreGuard® pistons to provide long service life. A filter and fluid pressure regulator are also included with the system.

Technical Specifications

CleanSpray XT Guns	
Working Hydraulic Pressure	35 bar [3500 kPA] (500 psi)
Operating Temperature	140° F (60° C) maximum
Electrical for Coil	24 Vdc, 1.2 amperes

CleanSpray XT Controller	
Operating Temperature	140° F (60° C) maximum
Electrical Requirements	120/140 VAC, 50/60 Hz, single phase
Electrical Input Signal	50 Vdc maximum
Electrical Output Signal to Gun	20 Vdc, 1.2 amperes

CleanSpray XT Level Detect	
Operating Temperature	140° F (60° C) maximum
Electrical Requirements	100, 120, 215, 230 or 240 VAC, 50/60 Hz
Electrical Output Signal	24 Vdc

Hydraulic Delivery System	
Filter	
Operating Pressure	206 bar (3,000 psi)
Regulator	
Inlet Pressure, maximum	689 bar (10,000 psi)
Outlet Pressure, maximum	103 bar (1,500 psi)
Fluid Ports Size	¼ in. NPT
Pump	
Operating Fluid Pressure, maximum	103 bar (1,500 psi)
Air Requirements	0 – 5.5 bar (0-80 psi) 3.54 L/sec (7.5 cfm)

For more information, speak with your Nordson representative or contact your Nordson regional office.

United States
Amherst, Ohio USA
+1.440.985.4000 **Phone**
+1.440.985.5110 **Fax**

South and Central America
+52.55.5301.1032 **Phone**
+52.55.5300.3004 **Fax**

Europe
Erkrath, Germany
+49.211.9205.534 **Phone**
+49.211.254658 **Fax**

Japan
Tokyo, Japan
+81.3.5762.2700 **Phone**
+81.3.5762.2701 **Fax**

Asia
Singapore
+65.6796.9500 **Phone**
+65.6896.9631 **Fax**

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