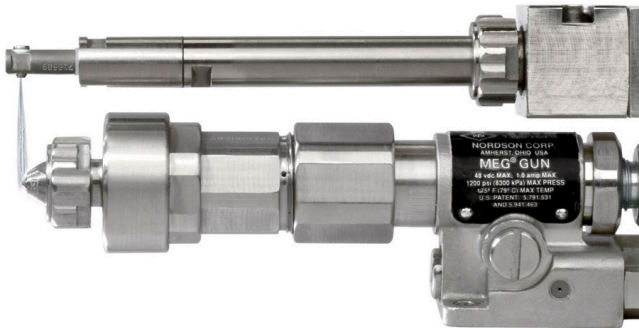


CleanSpray[®] XT Automated Nozzle Cleaning System

Cleans airless spray nozzles automatically – at the right time and in the right way – for improved coating quality and increased productivity.



In conventional canmaking operations, a large portion of the spray operator's time is spent manually cleaning nozzles. When nozzles are not cleaned on a frequent basis (as often as once or twice an hour), nozzle capping or partial capping will occur, resulting in spray pattern degradation and quality rejects. If manual cleaning is not performed properly, lacquer particles can loosen and dislodge and in some instances, get deposited into cans, also resulting in quality rejects.

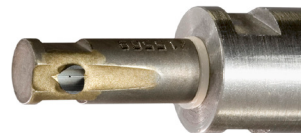
The Nordson CleanSpray XT system automatically cleans airless spray nozzles automatically – at the right time and in the right way - without stopping normal production on the spray machine. The innovative system sprays a low-pressure, short-duration spritz of water directly on the lacquer nozzle. This process washes away excess coating between lacquer sprays and keeps the nozzle face free of material buildup.

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 result is repeatable and accurate spray deposition for increased production with less maintenance.

Features and Benefits

- Provides automatic nozzle cleaning without stopping production on the spray machine.
- Right-angle nozzle design directs spray for efficient and accurate cleaning.
- Soft-seat design improves durability and provides a drip- and drool-proof nozzle cutoff.
- Precise mounting design facilitates production set-up, lacquer gun nozzle change and gun rebuild.
- Leverages iTrax Spray Controller, simplifying installation and operation.
- Adjustable mounting bracket provides angular position and in/out adjustment for improved flexibility.
- Available in standard 9.6 in (244.6 mm) or shorter 7.6 in (193.8 mm) versions.
- Easily retrofits to existing applications.



Right-angle nozzle design



CleanSpray® XT Automated Nozzle Cleaning System

The CleanSpray XT gun is available in standard 9.6 in (244.6 mm) or shorter 7.6 in (193.8 mm) lengths, making it easily retrofittable 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 exhaust duct clean up easier and faster.

Precise, Adjustable Mounting Design

The system features a bracket that mounts directly to the spray machine-mounting frame, on which the CleanSpray XT gun is attached. This design makes 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 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 iTrax Spray 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 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 and ScoreGuard® pistons to provide long service life. A filter and fluid pressure regulator are also included with the system.

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Why choose Nordson

In highly competitive manufacturing markets, productivity is vital and performance is essential. That's why we apply both to everything we do, whether it's our products, expertise or outstanding customer service. We'll always be there to help maintain the new standards you've set, with expert service and support delivered through our teams working across the globe.

This unique Nordson approach helps you reach new levels of production, while working more accurately, efficiently and competitively than ever. Precisely why manufacturers who demand quality, can rely on Nordson.

Performance by design

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)
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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)

Nordson Industrial Coating Systems

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