

Model A16A Compact Inside Stripe Gun



Compact, modular spray gun for precise, high-speed application of protective coatings to inside seams of three-piece welded cans.



Gun Operation

The A16A gun features air operated. For positive response and excellent repeatability at speeds up to 500 cpm. The carbide ball and seat design provides quick, clean cut-off and long service life. For accurate coating temperature control to ensure consistent spray weights, the A16A is available in a circulating model.

The gun is remotely-actuated, permitting continuous spray for applications where there is no gap between cans and intermittent operation of the gun is not required.

Flow Coating Process

Using Nordson's exclusive flow coat style nozzles, the model A16A assures accurate and precise seam coverage at the required film thicknesses with virtually no overspray. The model A16A gun allows the nozzle to be positioned in close proximity to the inside seam of small diameter cans so coating material can be applied in a continuous film rather than an atomized spray. Known as flow coating, this method of deposition provides precise control of stripe width, film thickness and weight, and also eliminates bounceback and overspray for a cleaner operation.

Nordson Cross-Cut nozzles are available in a wide selection of sizes to accommodate various production specifications.

The Nordson model A16A compact inside stripe gun is a highspeed gun that applies a precise stripe of lacquer coating to the inside seam of three-piece welded cans. Triggered by a Nordson timer, the A16A gun provides positive on-off cycling and clean cut-off at speeds of up to 500 cans per minute. This modular gun provides accurate deposition control and increased production capability. For faster speeds, the A16A is well-suited for continuous spray with no gap between cans.

The gun's compact size helps achieve precision striping of smaller-sized cans – with diameters as small as 1.38 in. (35 mm) – for maximum operating flexibility. Modular design of the A16A permits fast, easy replacement of worn parts without removal of the entire gun from the spray arm. Patented Cross-Cut® nozzles used with the A16A gun provide uniform film deposition at low fluid pressures and low flow rates, and also minimize bounceback and overspray for a cleaner operation.

Features and Benefits

- **Compact size** – for use with various sized cans as small as 1.38 in. (35 mm) in diameter.
- **Modular design** – permits fast and easy installation and maintenance.
- **Precise film deposition** – the A16A gun and Nordson nozzle provide a uniform stripe with superior accuracy, repeatability and control. Nordson has a wide range of nozzles available to meet the requirements for a variety of can sizes.



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- **Economical operation** – on-off spray optimizes material utilization to provide cost-effective operation.
- **Versatile operation** – wide range of nozzle sizes permits optimum sidestripe selection for various can sizes.
- **Hot airless spray coating technology** – reduces emissions and eliminates overspray for a safer, cleaner work environment.
- **Carbide ball and seat design** – provides longer service life and minimal maintenance.
- **Can-gapping capability** – positive on-off cycling enables gapping the cans for cleaner operation, allowing coating solvent to flashoff faster and speed curing.
- **Nordson nozzles** – provide optimum performance with a variety of coatings including high-solids materials.

Specifications

Speed	500 cpm maximum – based on production of 4.0 in. (102 mm) long cans gapped at .50 in. (13 mm)
Actuating Air (Operating Range)	50-100 psi (345-690 kPa)
Fluid Pressure	500 psi (3447 kPa) maximum
Fluid Temperature	175°F (80°C) maximum
Can Size	1.38 in. (35 mm) diameter minimum
Weight	1.46 lbs. (0.66 kg)

*Requires electro-pneumatic solenoid valve for triggering on and off.



Model A16A locally-actuated gun with Cross-Cut nozzle

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