

# Model A16A Compact Inside Stripe Gun



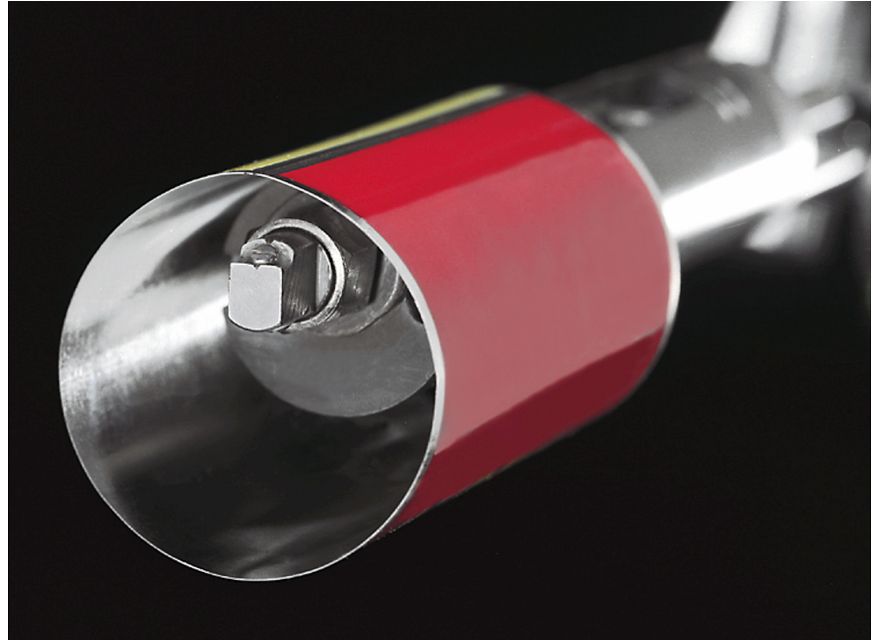
*Compact, modular gun for precise, high-speed application of protective coatings to inside seams of three-piece welded cans.*

The patented Nordson model A16A compact inside stripe gun is a high-speed 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 700 cans per minute. This modular gun provides accurate deposition control and increased production capability.

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. Proprietary Cross-Cut nozzles used with the A16A gun provide uniform film deposition at low flow rates, and also minimize bounceback and overspray for a cleaner operation.

## **Gun Operation**

The A16A gun features an integral electro-pneumatic solenoid for fast, positive response and excellent repeatability. 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. In production situations where only one fluid line can be installed through the weld arm, a non-circulating version of the model A16A is available.



*Model A16A coats inside seam of small diameter can (actual size shown)*

The gun can be triggered either locally or remotely. The integral electro-pneumatic solenoid on the locally actuated model provides extremely fast and accurate operation. The remotely actuated model permits 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 Cross-Cut 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 bounce back and overspray for a cleaner operation.

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

# Model A16A Compact Inside Stripe Gun

## Features and Benefits

- **Compact size** – for use with various sized cans as small as 1.38 in. (35 mm) in diameter.
- **High-speed operation** – triggered by a Nordson FET-1, FET-2 or PC-40 timer, the A16A gun operates at speeds up to 700 cans per minute for increased production capability.
- **Modular design** – permits fast and easy installation and maintenance.
- **Local/remote triggering capability** – with local or remote actuation the A16A gun can provide an intermittent or continuous spray to accommodate specific production requirements.
- **Positive on/off cycling** – integral electro-pneumatic solenoid provides positive response and quick, clean cut-off.
- **Precise film deposition** – the A16A gun and Cross-Cut nozzle provide a uniform stripe with superior accuracy, repeatability and control.
- **Economical operation** – intermittent spray at high line speeds optimizes material utilization to provide cost-effective operation
- **Versatile operation** – wide range of nozzle sizes permits optimum side-stripe selection for various size cans.
- **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** – high-speed, positive on-off cycling enables gapping the cans for cleaner operation, allowing coating solvent to flash-off faster and speed curing.
- **Proprietary Cross-Cut nozzles** – provide optimum performance with a variety of coatings including high-solids materials.

## Specifications

### Speed

700 cpm maximum – based on production of 43.0 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** F (80 C) maximum

**Solenoid** 24 VDC

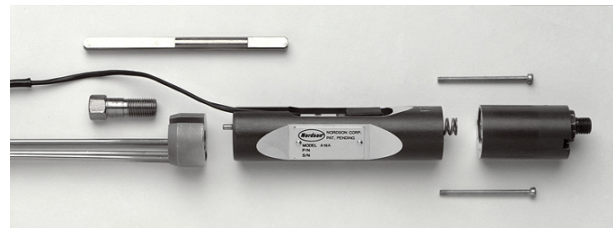
**Can Size** 1.38 in. (35 mm) diameter minimum

**Weight** lbs. (0.46 kg)

**Certifications** ANAB ISO 9001:2000



Model A16A locally actuated gun with Cross-Cut nozzle.



Modular design ensures easy installation and maintenance.



Nordson reserves the right to make design changes to products to improve their function. These changes may occur between printings.

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

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