

LogiComm™ Integrated Pattern Control and Verification System



Modular, touch-screen system delivers precise pattern control, quality verification or both to folding carton manufacturing.



Nordson's integrated LogiComm system offers a comprehensive, easily-installed adhesive pattern control and verification system ideal for folding carton applications. Multiple, remote touch-screens can be positioned virtually anywhere on the folder gluer for easy operation. This modular system offers a building block approach allowing installation of either pattern control or verification initially, with the capability to easily integrate the other function as needed.

The programmable pattern control provides quick pattern development and changeovers to accommodate even short runs on complex boxes. Pattern control features include:

- multiple gun control and trigger inputs
- selection of bead choices
- pressure control across full machine speed range
- multiple program memory

Verification capabilities enhance on-line quality assurance by monitoring adhesive pattern and placement accuracy without the need for adhesive additives. Additionally, the LogiComm system inspects product features for presence and integrity. The easy-to-program system can simultaneously detect and verify numerous parameters including:

- volume and accuracy of adhesive deposition
- overlapped and skewed substrates
- bar codes, recognized in diverse formats and codes
- security tags
- faulty folds, flaps and inserts
- cellophane windows

This combination pattern control and verification system includes production reporting and closed loop compensation features.

LogiComm™ Integrated Pattern Control and Verification System

Specifications

Maximum Line Speed 1200 m/min (3937 ft/min)

Pattern Accuracy ±0.25 mm (0.01 in.)

Encoder Resolution up to 30 pulses per mm

Encoder Frequency 100 KHz maximum

Electrical Service Universal 80-256 VAC, 1 Ph.

Program Memories Virtually unlimited
(via Flash Memory Card)

Encoders 1 or 2 per System

Pattern Channels 4 or 8 per Control Module
(up to 64 per system)

Gun Outputs 4 or 8 Gun output connectors per
module (One Gun Connector per
Pattern Channel)

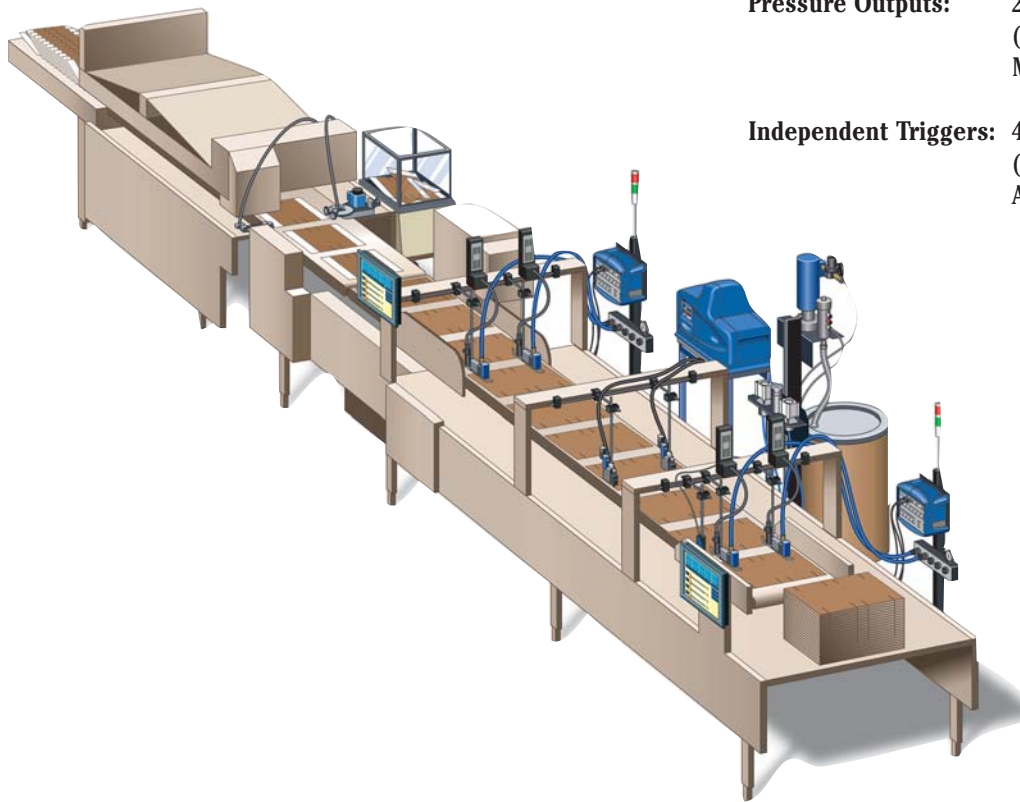
Gun Drivers 80 Watts maximum per 4 guns
(160 Watts per module)
Auto-configuring of driver parameters

Verification Channels: 6 or 12 per Control Module
(up to 96 Sensors per system)

Pressure Outputs: 2 or 4 per Control Module
(up to 32 per System) each with
Multipoint Curves

Independent Triggers: 4 or 8 per Control Module
(up to 64 per System)
Adaptable to PNP or NPN type

System Diagram



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

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