

LogiComm®

Integrated Pattern Control and Verification System

Modular, touch-screen system delivers precise pattern control, quality verification or both.



Nordson's integrated LogiComm system offers a comprehensive, easily-installed adhesive pattern control and verification system. Multiple, remote touch-screens can be positioned virtually anywhere on the parent machine or 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 of complex patterns. 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. A wide range of sensors and code readers work with the LogiComm system as part of an online, real-time inspection process.

The easy-to-program system can simultaneously detect and verify numerous parameters including:

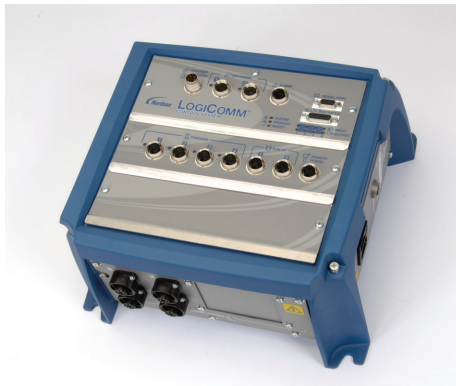
- volume and accuracy of adhesive deposition
- overlapped and skewed substrates
- bar codes, recognized in diverse formats and codes
- security tags
- faulty folds, flaps and inserts
- cellophane windows

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



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



LogiComm system's modularity allows installation of pattern control or verification independently or combined, along with the ability to add capabilities as needed to the channel maximums.



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

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