

LA 404-2 Pattern Control System

Nordson

Pattern control system delivers easy installation and programming with application flexibility.



The distance-based LA 404-2 pattern control offers application flexibility and easy operation. With up to four channel capability and a choice of several different bead types, the control fits a broad range of high-end packaging or folding carton, envelope, and bag and sack manufacturing requirements.

In addition to quick connection cabling, the integrated gun driver board and tip sealing activators simplify installation. The multi-language, menu-driven operator interface with scrollable LCD display simplifies programming. A 100-program memory delivers quick, easy changeovers.

Four independent triggers allow broad pattern flexibility. An integrated driver controls up to eight liquid adhesive electric guns (two per channel via splitter cable) or up to 24 pneumatic guns (six 5.8-watt solenoids per channel via splitter cable).

The LA 404-2 control provides a number of bead choices including dot, autospot or continuous patterns. With four bead events per channel, the system delivers the flexibility to achieve a wide variety of gluing patterns.

Features

- **Highly accurate gun control** on four independent channels.
- **Selection of bead choices** meets a broad range of application requirements. Choices include: normal, continuous, random length, random dot, dot and autospot.
- **Quick-connect cables** deliver rapid, easy installation.
- **One hundred-program memory** allows rapid pattern changeover.
- **Four trigger inputs** provide application flexibility.
- **Programmable gun driver board settings** accommodate a wide range of compatible guns.
- **Run-up control** minimizes adhesive waste during start-up or shutdown.
- **Integrated tip seal system** helps prevent nozzle from drying out.

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Specifications

Maximum Line Speed	600 m/min (1969 ft/min)
Pattern Accuracy (@ max. line speed)¹	±1.0 mm (0.04 in.)
Program Memory	up to 100
Independent Channels	4
Maximum Gun Outputs	
Liquid Adhesive Electric	8 (2 per channel via splitter cable)
Pneumatic ²	24 (6 per channel via splitter cable)
Independent Trigger Inputs	4
Input Voltage Requirement	85 to 265 VAC, 47 to 63 Hz
Encoders	1
Encoder Resolution³	0.1-20.0 pulses/mm
Pressure Curves	2 (2-point linear)

¹ 1 pulse/mm quadrature encoder; <±2 meters/sec² acceleration; 2 ms guns

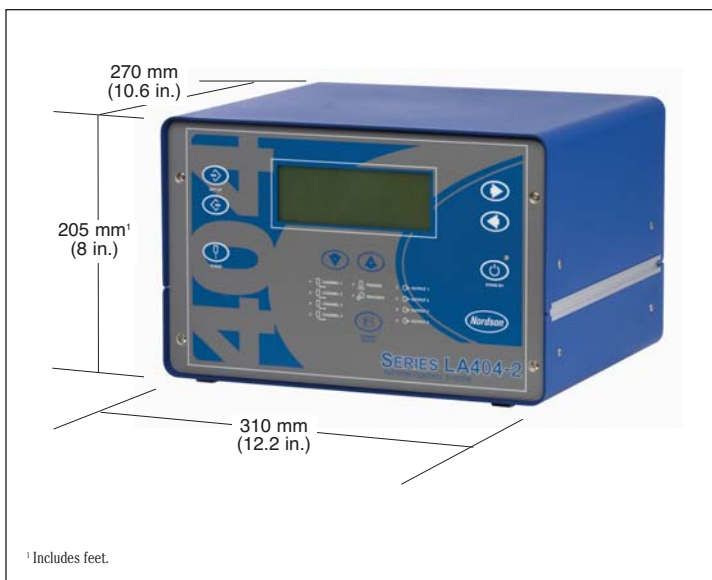
² 24V, 5.8 watt solenoid

³ 1-10 pulses/mm recommended for most applications



Quick connect cable connections permit easy installation.

Dimensions



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

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