

# OptiStroke™ Needle Stroke Detection System



*Reduce product waste and confirm hot melt adhesive dispensing performance.*



The patented OptiStroke system verifies valve actuation and fatigue in demanding manufacturing operations that subject hot melt adhesive applicators to performance limits. Online process control monitors needle stroke in the applicator valve to assure correct adhesive placement in applications where product-yield loss is critical.

## Features and Benefits

- **Optical needle stroke detection** verifies needle travel, detecting adhesive presence and accurate pattern placement.
- **Measurement of compensation times** tracks valve performance, alerting operators to no-stroke or slow-stroke action.
- **Automatic alarm** alerts operator or stops line during a stroke fault, preventing manufacture of scrap product.
- **Diagnostic software** tracks performance trends, identifying potential valve fatigue before it may affect production.

- **Continuous sensor calibration and separation of electronic components** from high temperature applicators provide reliable stability.
- **Plug-and-play installation** maximizes uptime.
- **PC software** provides parameter adjustment capability to meet production requirements.
- **Modular design** allows up to 12 channels and accepts multiple configurations with master/slave controls.
- **Compatibility** with many Nordson hot melt adhesive module designs reduces inventory requirements.

# OptiStroke™ Needle Stroke Detection System



Online process control assures correct pattern placement each and every time.



Continuous sensor calibration and light-to-dark reference avoid errors.

## Specifications

<b>Compatible Equipment<sup>1</sup></b>	Universal™ modules, Speed-Coat™ modules, EP 10 modules
<b>Inputs<sup>2</sup></b>	Up to 12 channels for optical sensors Up to 12 channels for trigger
<b>Outputs</b>	Up to 12 channels for kickout alarms (1 per input channel) Up to 3 collective fault relays
<b>PC Program</b>	Parameter settings, analysis and diagnostics
<b>Enclosure Rating</b>	IP54

## Enclosure Dimensions

<b>Height</b>	200 mm (7.87 in.)
<b>Width</b>	200 mm (7.87 in.)
<b>Depth</b>	80 mm (3.15 in.)

**Electrical Service** 24 VDC

<sup>1</sup> Contact your Nordson representative for additional module compatibility.

<sup>2</sup> Based on one master control and two slave units.



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

### United States

Dawsonville, Georgia  
Telephone: (800) 727-7224  
Facsimile: (706) 216-2981

### Europe

Lüneburg, Germany  
Telephone: (49) 4131-894-0  
Facsimile: (49) 4131-894-149

### Japan

Tokyo, Japan  
Telephone: (81) 3-5762-2700  
Facsimile: (81) 3-5762-2701

### Asia/Australia/Latin America

Amherst, Ohio  
Telephone: (440) 985-4496  
Facsimile: (440) 985-1096

[www.nordson.com](http://www.nordson.com)



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