

# Unity™ C and Unity™ Touch S

## Control Systems

Multifunction controllers provide easy system integration and precise adhesive dispensing



*Unity C Controller*



*Unity Touch S Controller*

Nordson's Unity control systems are available in two versions designed to meet differing customer needs—the Unity C controller and the Unity Touch S controller. Both systems are a compact size, compatible with both Unity IC and PURJet™ applicators, and easy to integrate with a parent machine for full process control. This updated, affordable technology is easier for operators to use for optimal process efficiency.

The Unity C controller is a simple solution that offers basic functions like temperature setting, applicator on/off controls, pressure control and a purge function.

The Unity Touch S controller features a 7-inch touchscreen with a friendly HMI and advanced controls. The interface gives quick access to language and recipe selection, uses a fluid detection sensing capability to visually display adhesive level status, and provides multiple zone temperature monitoring.

With a variety of systems and accessories, Unity solutions can be configured to meet specific requirements. When combined with the Unity automated tabletop dispensing robot and adhesive applicator, overall accuracy and functionality are enhanced by use of vision, linear encoded motion, and easy-to-use dispensing software that optimizes the process and motion control.

### Features

- Unity Touch S controllers allow users to make adjustments to pressure, temperature and other settings with a few quick screen taps
- Both controllers allow users to integrate fully with the parent machine to control parameters like temperature, pressure and applicator on/off time
- The Unity Touch S controller's system status-at-a-glance home screen uses a color-coded system to quickly tell operators when the system is heating, ready or has a fault
- Both controllers allow users to collect data like adhesive life, number of products and number of dots jetted
- Low-level detection functionality (Unity Touch S only)
- Standard ethernet communication (Unity Touch S only)
- Inside air tank provides stable air supply (Unity Touch S only)
- 3 heating channels (Unity Touch S only)

### Benefits

- Increase productivity and product quality with precise control of the adhesive dispensing process
- Higher yields and production quality lead to reduced production cost, material waste and total cost of ownership
- Analyze system data to reduce waste and maximize operation
- Consistent volume output of changing viscosity materials



## Specifications

Storage temperature:	-13° F (-25° C) to 158° F (70° C)
Temperature Sensor:	Ni 120
Max. input pressure:	8 bar
Degree of protection:	IP 43
Noise emission:	50 dBA

Min. ambient temperature	0° C (32° F)
Max. ambient temperature	35° C (95° F)
Humidity	10 to 95%, not condensing
Min. operating temperature (setpoint)	40° C (100° F)
Max. operating temperature	230° C (446° F)

## Unity C controller

Communication:	12 pin I/O, RS232
Dimensions (W x D x H):	310 mm (W) x 245 mm (D) x 215 mm (H)
Weight:	6.5 kg (14.3 lb)

## Unity Touch S Controller

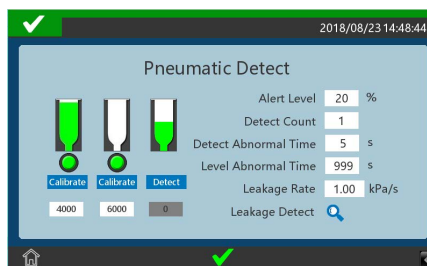
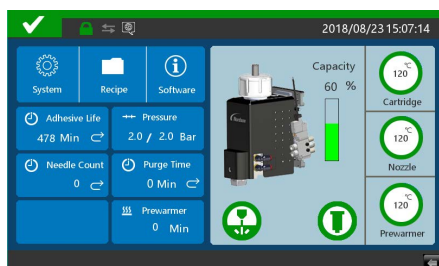
Communication:	Ethernet
Dimensions (W x D x H):	Controller : 338.8 mm (W) x 214.75 mm (D) x 157.1 mm (H) Pneumatic box : 237 mm (W) x 62 mm (D) x 149.5 mm (H) Display : 211 mm (W) x 114 mm (D) x 188.35 mm (H)

Weight:	Pneumatic box : 1.6 kg ( 3.53 lb) Display : 1.9 kg ( 4.2 lb) Controller : 5.0 kg ( 11 lb)
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Heating zone:	2 heating zones + 1 pre-warmer channel
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## Electrical Specifications

Available operating voltage:	200-240 VAC, 1 phase
Max power requirements:	6A
Operating voltage frequency:	50/60 Hz



*Unity Touch S Controller*

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

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