

Unity™ IC Series

Dispensing Systems

Clean, intelligent, precise adhesive dispensing for electronics assembly

Nordson's Unity IC series dispensing systems provide an intelligent dispensing solution that is capable of automatically compensating bead size using an optional vision system that measures bead diameter and automatically compensates pressure to dispense the optimal bead size.

The IC Series is available in a 30ml or larger 310ml configuration giving you the flexibility in to choose the most appropriate package size for your particular application. When combined with the Unity tabletop automation system, overall accuracy and functionality are enhanced with vision guidance, linear encoded motion and easy-to-use dispensing software to optimize the process and motion control.

Two Unity IC 300 applicators are available, each tailored to meet a variety of electronics assembly needs when used with an automation system. The IC 300-E and IC 300-M applicators feature a unique check valve design that reduces material leakage, allowing for more efficient operation.



Unity IC 30 2HC



Unity IC 300-E



Unity IC 300-M



The IC 300-M is a customizable, affordable solution for general electronic assembly applications, while the clean cutoff of the IC 300-E applicator makes it the best choice for applications that demand highly precise, accurate dispensing.

Features

- Pneumatic modules deliver consistent dispensing adown to a .25 mm width
- Capable of utilizing heated and ambient materials
- Dual heating zones in the IC30 2HC and IC 300-E applicator provide accurate heat temperature control
- Interchangeable nozzles allow for customized dispensing

Benefits

- Operating costs are reduced by prolonging syringe life and minimizing bead width variation
- Extends the useful life of the cartridge by minimizing residual adhesive waste and maximizing material use
- Unique snuff-back module on the IC 300-E applicator delivers ultra-clean cutoff with no stringing
- Cartridges allow for quick changeover and start-up, maximizing production times
- Increases operation efficiency with optional disposable barrels, eliminating time spent cleaning and refilling syringes



Unity™ IC Series Dispensing Systems

Specifications

Unity IC 30 applicator

Weight:	1.6 kg (3.4 lb)
Adhesive viscosity:	Varies depending on nozzle size and flow rate
Solenoid valve air flow:	15 scfm minimum

Unity IC 30 2HC applicator

Weight:	1.6 kg (3.4 lb)
Adhesive viscosity:	Varies depending on nozzle size and flow rate
Solenoid valve air flow:	15 scfm minimum

Unity IC 300-E applicator

Weight:	3.28 kg (7.2 lb)
Adhesive viscosity:	Varies depending on nozzle size and flow rate
Solenoid valve air flow:	15 scfm minimum

Unity IC 300-M applicator

Weight:	2.28 kg (5 lb)
Adhesive viscosity:	Varies depending on nozzle size and flow rate
Solenoid valve air flow:	15 scfm minimum

Electrical Specifications

Unity IC 30 applicator

Supply voltage:	200-240 VAC, 1 phase, 50/60 Hz, 250 W (supplied from controller)
Sensor type:	120 ohm nickel or 100 ohm platinum

Unity IC 30 2HC applicator

Supply voltage:	200-240 VAC, 1 phase, 50/60 Hz, 250 W (supplied from controller)
Sensor type:	120 ohm nickel or 100 ohm platinum

Unity IC300 applicators

Supply voltage:	200-240 VAC, 1 phase, 50/60 Hz, 700 W (supplied from controller)
Sensor type:	120 ohm nickel

Available Options

- Pre-warmers
- Variety of Unity tabletop automation systems
- Variety of Saturn and Unity nozzles from 25 gauge and larger
- Unity HiTemp™ disposable syringe barrels for PUR and other high temperature materials available from Nordson EFD, call 1-800-556-3484 for more information

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

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