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. The positive shut off of the fluid path reduces moisture exposure and provides drip free performance. 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.

**Features**
- Pneumatic modules deliver consistent dispensing and clean cutoff for beads
- Dispenses a PUR bead down to a .25 mm width
- Capable of utilizing heated and ambient materials
- Integrated control system with an easy laptop interface
- 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
- Vision detection system provides integrated inspection, proprietary compensation and feedback
- Cartridges allow for quick changeover and start-up, maximizing production times
Unity™ IC Series  Dispensing Systems

Specifications

Unity controller
- Operating air pressure: 4-8 bar (60-120psi)
- Weight: 7.2 kg (15.9 lb)
- Dimensions (W x D x H): 264 mm (W) x 152 mm (D) x 264 mm (H)

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 300 applicator
- Weight: 2.6 kg
- Adhesive viscosity: Varies depending on nozzle size and flow rate
- Solenoid valve air flow: 15 scfm minimum

Electrical Specifications

Unity controller
- Supply voltage: 200-240 VAC, 1 phase, 50/60 Hz, 290_W
- Heating zones: One (applicator), 1200 W maximum
- Control temperature range: 51–232 °C (125–450 °F)
- Control temperature stability: 0.5 °C (1°F)

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 300 applicator
- 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

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