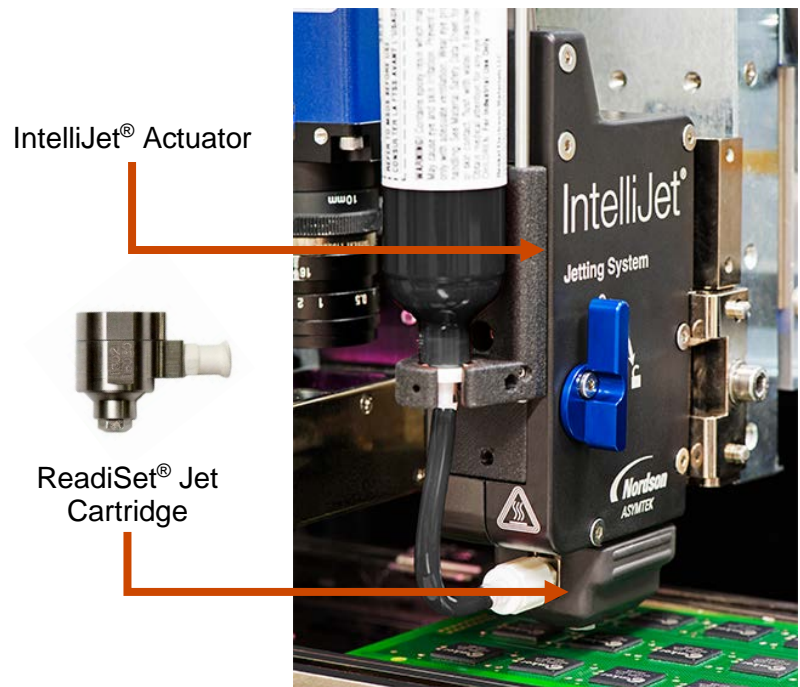


IntelliJet® Jetting System*

Taking piezo-driven jetting to a whole new level

Features and Benefits

- **Easy to Use** – Two-piece Readiset® Jet Cartridge is quickly removed for easy cleaning or replacement, saving time and money
- **Fast** – Able to jet up to 1.8 Million dots per hour
- **Reliable** – Up to 6x the usable life of competing jets on the market
- **Integrated Solution** – Closed-loop process controls and self-calibration capabilities produce consistent results across multiple installations
- **Experience** – Decades of jetting experience across a wide range of applications drives the design



Nordson ASYMTEK's latest innovation in jetting technology, the piezo-driven IntelliJet system, is the world's premier jet for achieving consistent, precise dispensing of a wide variety of fluids.

Easy to Use. With the patented Readiset Jet Cartridge, maintenance and cartridge changeover is quick and easy. The Readiset cartridge is removed from and re-installed into the jet body in seconds, minimizing dispenser downtime. Each IntelliJet jetting system includes two Readiset Jet Cartridges, so one can be used in production while the other is cleaned. The system is so simple to use that you can learn and be ready, set, and jetting in less than 10 minutes.

Fast. Jetting up to 5000 dots over a 10-second interval and up to a maximum frequency of 1000 Hz enables higher flow rates and line speeds than ever before. Wafer-level package underfill can be completed in a quarter of the time while achieving consistent and reliable small dots.

Reliable. As dot sizes shrink, higher frequencies are required to maintain desired flow rates. This leads to

rapid wear of jet actuators and consumable parts. Running at maximum frequency and duty cycle, current jets can expend their entire one-billion-cycle life in only seven weeks, but the IntelliJet system has been tested to last up to six times as long.

Integrated Solution. Self-calibration features integrated into the jet and dispensing platform further account for setup variation and wear of consumables over long production runs. Coupled with Nordson ASYMTEK's patented closed-loop process controls, target dispense weight is automatically maintained. As part of the Spectrum™ II Premier dispensing platform, the IntelliJet system produces consistent and reliable high yield across multiple production lines and long production runs.

Experience. With decades of jetting experience and thousands of jets currently in production, Nordson ASYMTEK is committed to providing innovative solutions for all dispensing needs. Our global support network, including state-of-the-art application development labs, provides world leading know-how and application expertise.

*Additional
Patents Pending

IntelliJet® Jetting System with RediSet® Jet Cartridge Specifications

Typical Applications

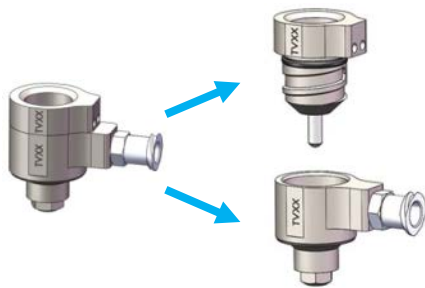
Wafer-Level Packaging
Underfill on High-Density Boards
Camera Module Assembly
Medical Reagent Dispensing



A patented simple flip lever allows quick and easy tool-less removal and reinstallation of the wetted fluid path parts

Actuator and Cartridge

Size:	33W x 120H x 89D mm
Reservoir sizes:	3 cc, 5 cc, 10 cc, 30 cc, 2.5 oz, and 6 oz
Max. duty cycle:	5000 dots/10 second interval
Max. cycle frequency:	1000 Hz
Valve cooling pressure:	138 kPa (20 psi)
Max. heater set point:	100° Celsius
Cartridge changeover time:	~30 seconds
Cartridge size:	Available in a range of cartridge sizes for target dot weights
Consumable Parts:	RediSet Jet Cartridge and fluid feed tube
Platform compatibility:	Spectrum™ II Premier platform <i>(upgrade kits available for other Spectrum series models)</i>



RediSet Jet Cartridge



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