

# NexJet® System

Advanced Jetting Technology

## Features and Benefits

- **Easy to Use** - one-piece Genius Jet Cartridge is removed quickly for easy cleaning or replacement, saving time and money
- **Smart** - optional wireless RFID system tracks the jet cartridge use and alerts the operator when a replacement is necessary
- **Flexible** - innovative design widens process window to support a broad range of fluids and applications
- **Capable** – software programmable fluid jetting to center the process window for clean, precise results



## The next generation in jetting technology: The NexJet System\*

As the leader in jetting technology Nordson ASYMTEK specifically designed the NexJet System to meet the varied fluid dispensing needs of today's fast-paced, hi-tech manufacturers.

### Easy to Use

In addition to incorporating many of the advanced features and innovations of Nordson ASYMTEK's previous jets, the NexJet System offers a unique, long-lasting, one-piece **Genius Jet Cartridge\*** that makes the NexJet System sophisticated, yet simple to own and use. Every NexJet System ships with two Genius Jet Cartridges for maximum system availability.

With just a few simple steps the Genius Jet Cartridge can be quickly and easily removed for cleaning without requiring any tools or handling of small parts. Each NexJet System also includes a specially designed offline Genius Jet Cartridge Cleaner to flush the cartridge clean while another jet cartridge is used for production.

*\*Patents Pending*

### Smart

The Genius Jet Cartridge has built-in memory to store its usage. An optional RFID transceiver in the dispense system communicates with the jet cartridge, reading the cartridge type and number of cycles, which is compared to the recipe to ensure a correct cartridge is installed. It also alerts the operator when the cartridge needs replacement - each cartridge lasts up to 50 million cycles, depending on the type of fluid used. This intelligence enables quality dispensing and consistently high yields.

### Flexible and Capable

The NexJet System's advanced design also includes new precision software control of the jetting process enabling successful results with both low and high viscosity fluids. This added control expands the process window, ensures stable and repeatable results for high yield production, and broadens the range of jettable fluids and applications.

Available as an upgrade for the Nordson ASYMTEK Spectrum™, Axiom® and DispenseMate® Series platforms.

For additional product details, specifications, pictures and videos visit: [AdvancedJetting.com](http://AdvancedJetting.com)

**Nordson**  
ASYMTEK

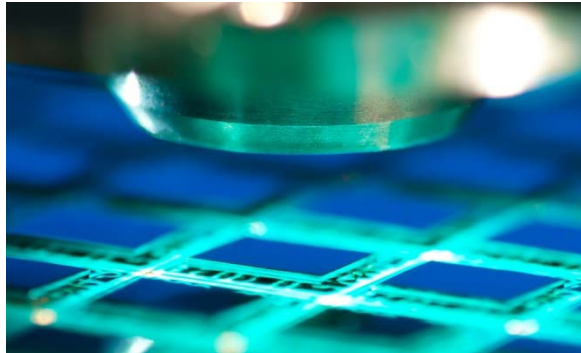
# Specifications: NexJet® System

## Typical Applications

- Flip Chip Underfill
- CSP, BGA, PoP Underfill
- Precise Coating
- Adhesive Dispensing

## Genius™ Jet Cartridge

- Changeover time ~30 seconds
- Available in 4 sizes:  
(based on dispensing requirements)
  - 10-3
  - 15-4
  - 30-8
  - 60-16



The versatile NexJet System supports a broad range of applications and fluids

## Actuator Specifications

Part #: NJ-7

Size: 35W x 230H x 130D mm

Weight: 890 grams (dry)

Six Available Reservoir Sizes:

3 cc, 5 cc, 10 cc, 30 cc, 2.5 oz, 6 oz

Max. Cycle Frequency: 300 Hz

Min. Valve Air Pressure: 483 kPa (70psi)

Operating Noise Level: 70 db (At max. cycle frequency)

Max. Heater Set Point: 100° Celsius

Optional RFID transceiver mounts on dispense system

## Consumable Parts

- Genius Jet Cartridge
- Fluid Feed Tube

## Nordson ASYMTEK Platform Compatibility

- Spectrum™ Series  
(support for Dual Action and Dual Simultaneous dispensing available upon request)
- Axiom® Series and DispenseMate® Series  
(RFID read/write capability not available)

For additional product details, specifications, pictures and videos visit: [AdvancedJetting.com](http://AdvancedJetting.com)

**Nordson ASYMTEK**

**Phone: +1.760.431.1919**

**Email: [info@nordsonasymtek.com](mailto:info@nordsonasymtek.com)**

**2747 Loker Avenue West**

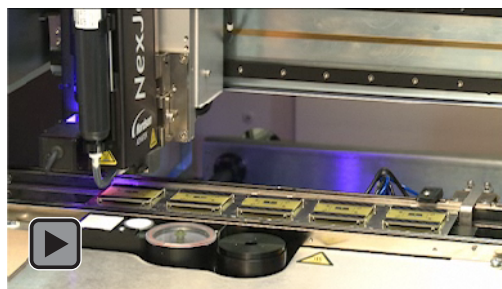
**Carlsbad, CA USA 92010-6603**

**[www.nordsonasymtek.com](http://www.nordsonasymtek.com)**

**Published 2012-11**



Genius Jet Cartridge vs. other jets.  
Only 1 part to remove for cleaning or replacement. No tools required.



Video of NexJet System dispensing underfill fluid

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

**[Nordsonasymtek.com](http://Nordsonasymtek.com)**

### North America

Headquarters

Carlsbad, CA, USA

+1.760.431.1919

[info@nordsonasymtek.com](mailto:info@nordsonasymtek.com)

### China

Shanghai

+8621.3866.9166

[info@asymtek.cn](mailto:info@asymtek.cn)

Beijing

+8610. 8453.6388

[info@asymtek.cn](mailto:info@asymtek.cn)

Guangzhou

+8620.8554.0092

[info@asymtek.cn](mailto:info@asymtek.cn)

### Europe

Maastricht, Netherlands

+31. 43.352.4466

[cs.europe@asymtek.com](mailto:cs.europe@asymtek.com)

### Japan

Tokyo

+81.3.5762.2801

[Info-jp@nordsonasymtek.com](mailto:Info-jp@nordsonasymtek.com)

### Korea

Seoul

+82.31.765.8337

[info@nordsonasymtek.com](mailto:info@nordsonasymtek.com)

### India

Chennai

+91. 44.4353.9024

[info@nordsonasymtek.com](mailto:info@nordsonasymtek.com)

### S.E. Asia/Australia

Singapore

+65.6796.9515

[info@nordsonasymtek.com](mailto:info@nordsonasymtek.com)

### Taiwan

+886.229.02.1860

[info@nordsonasymtek.com](mailto:info@nordsonasymtek.com)

