



**FOR RELEASE:** Immediately  
**CONTACT:** Larry Saidman  
[Larry.saidman@nordson.com](mailto:Larry.saidman@nordson.com)  
+1 770 497 3400

**Nordson Corporation**  
11475 Lakefield Drive  
Duluth, Georgia 30097  
USA

## **Nordson's New Unity PURJet 30 System Employs Jetting Technology to Increase Dispensing Accuracy and Speed in PUR Hot Melt Applications**

*Use of jetting technology with PUR hot melt is industry first.*

Duluth, Georgia, USA – July 27, 2011 – Nordson Corporation has launched the [Unity™ PURJet™ 30](#) system, a precision hot melt dispensing solution for PUR adhesive that utilizes state-of-the-art jetting technology to maximize product yield, improve assembly cycle time and increase the device impact strength, through speed, accuracy and capability. PURJet is the first dispensing solution to apply jetting technology to PUR hot melt.

The Unity PURJet applicator allows for near positive displacement jetting of heated adhesives without contact. Unlike other dispensing equipment currently available, the PURJet applicator dispenses up to 125 dots per second and can create continuous lines up to 120 mm/sec. It is an easy-to-use precision dispensing solution that operates three to four times faster than any other current available solution. The accuracy and placement from the precision jetting of the PURJet unit improves product production yield when compared with solid bead and low-end dispensing machines.

When used with 3M™ 2665 Plastic Bonding Adhesive, Unity PURJet 30 provides electronic manufacturers a re-workable solution for increased production yield. The same combination also produces one of the strongest bonds for higher impact resistance. Tests conducted on the PURJet applicator, using 3M Plastic Bonding Adhesive 2665, show a 40 percent stronger bond and 55 percent impact resistance improvement resulting from improved adhesive wetting.

“Combining the Nordson PURJet 30 together with 3M™ Plastic Bonding Adhesive 2665 for use in electronics assembly offers new bonding solutions for applications such as keypad assembly for mobile phone devices, and lens bonding of consumer electronic devices -- including Smartphones and tablets. This combination of equipment and materials allows for high strength with narrow adhesive bond lines, and provides a re-workable solution to enable

high manufacturing yield,” says 3M technical manager, Dr. David Plaut. “3M is pleased to work with Nordson to bring forth this industry-first process in order to advance manufacturing.”

The jetting technology on the PURJet applicator facilitates compact handheld product design by eliminating restrictions for nozzle access. The Unity PURJet 30 can dispense adhesive into 0.5 mm channels without being limited by the surface geometry. Since the nozzle does not contact the substrate, operators do not need to be concerned with the distance between the substrate and the adhesive nozzle. The non-contact application eliminates Z-height programming issues resulting from complex or warped parts.

“Unity PURJet 30 from Nordson has allowed us to create a better bond between a mobile keyboard and the outer shell preventing movement of the keys, as well as unnecessary wear and early failure of the device,” said Sam YH, project manager for Hi-P Technology Co. Ltd. “Without PURJet, we would not have been able to accomplish the improved bond. There is nothing else that is currently available to allow us to put a small glue dot in an area as small as 0.5mm channels. Plus, we have the option of dispensing dots or continuous bead with the jetting technology.”

The Unity PURJet 30 is manufactured by Nordson’s Adhesive Dispensing Systems segment. Adhesive Dispensing Systems is a leader in the precision dispensing of hot melt adhesive and related materials for a wide variety of end markets including packaging, nonwovens, and general product assembly. Learn more about Nordson Adhesive Dispensing Systems at [www.nordson.com/HotMelt](http://www.nordson.com/HotMelt), [http://twitter.com/Nordson\\_HotMelt](http://twitter.com/Nordson_HotMelt), or find us on [FaceBook](https://www.facebook.com/Nordson).

Nordson Corporation (Nasdaq: NDSN) is one of the world’s leading producers of precision dispensing equipment that applies adhesives, sealants, liquid and powder coatings and other material to a broad range of consumer and industrial products. The company also manufactures equipment used in the testing and inspection of electronic components as well as technology-based systems for UV curing and surface treatment processes. Headquartered in Westlake, Ohio, Nordson has direct operations and sales support offices in more than 30 countries. Visit Nordson on the web at [www.nordson.com](http://www.nordson.com), [www.twitter.com/Nordson\\_Corp](http://www.twitter.com/Nordson_Corp) or Facebook.

###