

Nordson ASYMTEK Wins Global Technology Award in the LED Production Equipment Category

Wins for its Spectrum S-922 LED jetting system for dispensing silicone

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Carlsbad, CA, USA – Nordson ASYMTEK, a leader in dispensing, coating, and jetting technologies, announces that it has won the 2011 Global Technology Award in the category of LED Production Equipment for its [Spectrum S-922 LED](#) jetting system for dispensing silicone. The award recognizes the best new innovations in the printed circuit assembly and packaging industries. The award was presented at the Productronica Trade Fair in Munich, Germany on November 15th, 2011. This was the fourth time Nordson ASYMTEK has won a Global Technology award.



Nordson ASYMTEK's jet dispenser enables sticky silicon phosphor to be dispensed into extremely small and hard-to-reach cavities for side-view LEDs.

Silicone phosphor dispensing is critical for LED color quality. The system uses a jet for non-contact dispensing, jetting 0.1 to 0.2mm dots through windows as small as 0.4mm into LED cavities. Unlike a needle, the jet retracts much less for silicone break-off, dispensing multiple shots faster, increasing speed and throughput. The jet's small, controlled drops of fluid reach tight cavities consistently and reliably. [Calibrated Process Jetting™ Plus](#) (CPJ+) reduces process variability for tight LED color quality. Tight tolerances are maintained throughout the dispense cycle and dynamic processes, such as fluid viscosity and changes to nozzle or dot size, are stabilized.

"We are pleased that our LED dispensing system has received international recognition," said Greg Hartmeier, vice president, business unit, Nordson ASYMTEK. "This closed-loop system eliminates time-consuming and costly operator adjustment, is easier to set up and maintain, and keeps the jetting and encapsulation processes for LEDs under machine control. Cost-of-ownership is reduced due to increased yield, less down-time, savings on consumables, and reduced operator intervention. Nordson ASYMTEK's patented, technologically advanced software and hardware control reduces process variation, increases yield, and reduces cost."

The 2011 Global Technology Awards is sponsored by *Global SMT & Packaging* magazine. A team of international judges selects the best innovations for electronics manufacturing products and services. Entries were judged on innovation, speed/throughput improvements, quality contribution, cost benefits, environmental consideration, ease of use/implementation, and maintainability/repairability. This was the first year the award has recognized the LED production equipment category.