

## Press Release

May 13, 2014

Henkel and Nordson Present Freedom™ System at Interpack

### **Integrated Adhesive Solution For Enhanced Process Efficiency**

— **Appearing from May 8 to May 14 at the Düsseldorf trade fair “Interpack,” Henkel is presenting its innovative adhesive solutions and technologies to representatives of the packaging community. Specifically, the company is showcasing the Freedom™ system solution developed together with Nordson Corporation, the leading manufacturer of precision dispensers and applicators for the world’s packaging industry.**

— Whether books, cellphones or beverage cans, all products need to be safely and securely packed to protect them during their often long journey to the consumer. And together with Nordson Corporation, Henkel is making a major contribution to ensuring the associated paperboard package is both reliable and economical. Since the beginning of 2013, the jointly developed system solution has been enabling packaging manufacturers serving a broad range of sectors to heat and apply only the amounts of hotmelt adhesive actually required for each seal and seam of their packaging. Freedom™ is the first fully enclosed, tankless system to be made available for the end-of-line packaging market. The Technomelt brand of hotmelts specifically developed by Henkel are the only adhesives certified for use with the Freedom™ system.

— Thanks to its compact design and short hotmelt feed distances, the Freedom™ precision dispenser can be located immediately adjacent to the packaging line where it consumes some 30 percent less energy than conventional facilities. The accuracy of the application process avoids char, surplus and thus environmentally harmful waste and also reduces costly packaging line outage for greater production efficiency.

Visitors to Stand C10 in Hall 7 will be able to discuss this and other innovations from Henkel with the company’s team of experts manning the Henkel booth.



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Henkel operates worldwide with leading brands and technologies in three business areas: Laundry & Home Care, Beauty Care and Adhesive Technologies. Founded in 1876, Henkel holds globally leading market positions both in the consumer and industrial businesses with well-known brands such as Persil, Schwarzkopf and Loctite. Henkel employs about 47,000 people and reported sales of 16.4 billion euros and adjusted operating profit of 2.5 billion euros in fiscal 2013. Henkel's preferred shares are listed in the German stock index DAX.

**Photo material is available at <http://www.henkel.com/press>**

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**The following material is available:**



The Freedom™ system combines especially developed hotmelt adhesives under the Technomelt brand with a high-precision dispenser that applies the adhesives in exactly the quantities required on the packaging paperboard.



In the liquid laundry detergent production facility in Düsseldorf, Henkel employee Robert Hackl fills the blue hotmelt granulate feed boxes.



The hotmelt granulate is sucked from the feed box into the precision dispenser and only gets heated up to melt temperature just prior to application, considerably reducing the amount of energy consumed.