

Press Information

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HEIDELBERG and Solenis agree on cooperation in the growth segment of paper packaging

- **HEIDELBERG with information stand at Fachpack in Nuremberg**
- **Breakthrough expected in the cost-effective production of environmentally friendly barrier coatings for paper**
- **Focus on growing global demand to replace single-use plastic packaging**
- **Boardmaster web flexo printing press from HEIDELBERG expands range of applications in the food sector to include flexible paper**

Heidelberger Druckmaschinen AG (HEIDELBERG), an innovative technology company with a leading position in the global printing industry, and Solenis, a leading manufacturer of specialty chemicals, announce a collaboration in the field of paper packaging at Fachpack 2024 in Nuremberg, Germany. The aim of the agreement is to develop a cost-effective process to integrate barrier coatings for fiber-based packaging directly into the existing roll-fed flexo printing process with the Boardmaster from HEIDELBERG. Barrier coatings are used to prevent water or water vapor, hot and cold liquids, oils and fats from leaking out of or penetrating into paper packaging.

"The growing global demand for sustainably produced, cost-effective, recyclable and compostable packaging makes the flexible paper sector an attractive growth market for us," says Dr. David Schmedding, Chief Technology & Sales Officer at HEIDELBERG. "Our new Boardmaster web flexo printing machine, with its production speed of up to 600 meters per minute and an availability of up to 90 percent, offers the ideal conditions for this. In our collaboration with Solenis, we are aiming for the cost-effective production of packaging solutions for the food industry that are geared towards efficiency and sustainability."

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Visitors to Fachpack 2024, which takes place from September 24 - 26 in Nuremberg, can find out more about the cooperation with Solenis and all other HEIDELBERG activities in the packaging sector at the company's stand in Hall 4 / stand number 4-246 and talk to HEIDELBERG experts.

Breakthrough expected for cost-effective barrier coatings

The cost-effective application of barrier coatings plays a key role in the quality and safety of flexible paper packaging. The collaboration between HEIDELBERG and Solenis is therefore about optimally coordinating the individual components of the Boardmaster, the chemical composition of the Solenis barrier coatings and the entire process technology and making them available to packaging producers. At the same time, the use of plastics is to be reduced through environmentally friendly alternatives with improved barrier functionality. The overall package should enable customers to expand their range of applications in the flexible paper sector with improved barrier functions. The result is cost-optimized applications that are predominantly reusable, recyclable, renewable and compostable.

"Packaging companies are under increasing pressure to optimize processes while meeting ambitious sustainability goals," said William Kuecker, Senior Director, Strategic Marketing at Solenis. "Our partnership with HEIDELBERG pushes the boundaries of what is possible for paper packaging manufacturers. With the combination of state-of-the-art printing technology and innovative, high-performance specialty coatings, packaging manufacturers can increase their operational efficiency and product performance while meeting the growing demand for sustainable products and processes."

For more information about Solenis barrier coatings, visit:

<https://www.solenis.com/en/products-and-services/pulp-paper/barrier-coatings/>

Photo 1: The aim of the agreement between HEIDELBERG and Solenis is to develop a cost-effective method of integrating barrier coatings for fiber-based packaging directly into the existing roll-fed flexographic printing process with the Boardmaster.

Photo 2: Solenis and HEIDELBERG are pioneering the development of a new process for applying barrier coatings for packaging made of paper directly in the printing process.

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Further information on the company and images can be found in the Heidelberg Druckmaschinen AG [press lounge](#) at www.heidelberg.com and in the [media library](#).

For more information about Solenis, please visit www.solenis.com or follow the company on social media.

About HEIDELBERG

The HEIDELBERG Group (HEIDELBERG) is an innovative technology company with a leading position in the printing industry. For almost 175 years, we have stood for quality and sustainability as a reliable partner with high innovative strength. Thanks to modern technologies and innovative business ideas, we want to shape future trends in the printing industry. We also use our technological expertise to position ourselves in new business areas, such as electromobility. At the same time, we are investigating where we can tap into new markets with our core competencies thanks to technological synergies and production-specific features. Acting responsibly is also a central principle of our strategy.

In our core business, we focus on customer requirements in our target markets of packaging and label printing as well as commercial and advertising printing. The focus is on increasing productivity along the entire value chain by digitizing and automating the necessary process steps, particularly with solutions in the areas of robotics and software-based workflow management. With the largest market share, HEIDELBERG is the leading supplier of sheetfed offset presses, a technology used in the production of high-quality, high-volume print products. The company has also expanded its position in flexographic printing for the industrial packaging market and in digital printing for the label market in recent years. HEIDELBERG would like to gain further ground in digital printing in particular. Together with our sales partners at 250 locations in 170 countries, a total of around 9,500 employees worldwide recently ensured that customer requirements were met.

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About Solenis

Solenis, owned by Platinum Equity, is a leading global producer of specialty chemicals focused on delivering sustainable solutions for water-intensive industries, including pulp and paper, institutional, industrial, food and beverage, and pool and spa water markets. The company's product portfolio includes a broad array of water treatment chemistries, process aids, functional additives, cleaners, disinfectants, and state-of-the-art monitoring, control and delivery systems. These technologies are used by customers to improve operational efficiencies, enhance product quality, protect plant assets, minimize environmental impact, and create cleaner and safer environments. Headquartered in Wilmington, Delaware, the company has 70 manufacturing facilities strategically located around the globe and employs a team of over 16,500 professionals in 130 countries across six continents. Solenis is a 2024 Best Managed Company Gold Standard honoree.

For additional information about Solenis, please visit www.solenis.com or follow us on social media.

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