



At interpack on stand 13D89,
HSA Systems will showcase
HSAJET® Print & Verification solutions
for the pharmaceutical industry.

The ever-increasing demands for traceability of food and pharmaceutical products mean that manufacturers need an efficient and reliable printing solution that qualifies for camera verification. At interpack 2017, HSA Systems presents specialised solutions for the food and pharmaceutical industries as well as various printing solutions for general packaging.



SECURE AND EASY PRODUCT CODING

For more than 20 years, the Danish manufacturer of high resolution industrial inkjet printers has supplied printing solutions for a large variety of coding and marking applications, as well as commercial printing and security printing applications. HSA Systems is an OEM partner of HP inc. Today, HSA Systems offers versatile and reliable printing solutions for basically all industries – from simple coding and marking printers to complex serialisation solutions and everything in between. Utilising HP TIJ 2.5 technology, the HSAJET® printers provide continuously high quality printing with virtually no maintenance, and they are easy to integrate into existing production lines. The solutions are sold worldwide through a large global network of distributors and integrators.

All-in-one print and verification solution

HSA Systems' wide experience within the packaging industry has enabled it to develop complex turnkey solutions for specific industries such as food and pharmaceuticals, where high demands for traceability require customers to invest in

complex print and verification solutions. But according to HSA Systems, it does not have to be difficult to ensure a safe and reliable print and verification process that complies with the international regulations.

Specifically for the pharmaceutical industry, HSA Systems has developed a complete print and verification solution that provides printer, vision camera and controller as well as design, print and verification software in one package. Unlike other systems on the market, the HSAJET® Print & Verification system controls all units from only one interface and provides all the necessary features to comply with important international regulations and standards.

“When we develop a machine our main focus is always on security and ease of use. It has to be as easy as possible for the end-user and for the machine builder to implement and use the HSAJET® solution,” says HSA Systems partner Jesper Hyldager. “We are providing a print and verification solution, where it is easy for the operator to choose print templates, adjust the design, save and fine-tune the print. All actions are logged and protected by a customisable user level access control, which minimises the risk of mistakes and unauthorised use.”

High speed printing of variable data with an HSAJET® Premium printer and the new bulk ink delivery system from HSA Systems.



Black solvent inks from HSA Systems provide a sharp and durable print on flow pack material.



The HSAJET® Micron is a simple and perfect solution for date coding.



The HSAJET® Print & Verification solution is available as an integration kit as well as turnkey systems for both un-folded and folded cartons, blister packs and labels.

Sharp and durable print

Using the HSA Systems' in-house developed software and printers, the customer can easily create and print data, including 1D and 2D codes, best before dates and lot numbers, graphics or variable data. HSA Systems offers ink for print on practically any type of material, including corrugated cardboard, coated cartons, plastics, blister foils, metal lids, foils and wraps, or directly onto industrial parts, such as cables, wood and gypsum.

Within HSA Systems' large range of water and solvent based ink you will find a large selection of different colours as well as black, UV invisible, fluorescent ink and now also white ink.

"The ever-increasing demands for traceability, especially for food and pharmaceutical products, mean that customers need an efficient and reliable system that qualifies for camera verification. They need a water- and light-fast print, which does not smear and which dries quickly on the surface. Previously, this has only been possible on non-porous materials by using CIJ printers," says Jesper Hyldager.

Today HSA Systems offers a variety of solvent inks and UV curable inks especially made for these difficult non-porous materials. This has allowed it to gain new markets, especially because the HP technology offers a clean and low maintenance solution compared to other technologies that were traditionally used for printing on this type of material.

Effective printing on non-porous materials

A newly developed ink and ink delivery system from HSA Systems provides customers with a new way to ensure the durability and precision of product coding while keeping costs low.

When printing a large amount of data and potentially at high speeds, a stable supply of ink is essential. The HSAJET® bulk system for the new 400ml bulk cassettes and bulk cartridges from HP for solvent based inks provides stable, low maintenance and low cost ink supply, as it is not necessary to change the cartridge as often as when using standard ink cartridges. This results in higher uptime, which is important for companies printing a large amount of data.

With this new solvent ink bulk system, customers can now obtain a permanent result using HP Thermal Inkjet (TIJ) printing on non-porous materials like plastics,

films and foils. Previously, more expensive Continuous Inkjet (CIJ) technology had to be employed.

The bulk system combined with the HSAJET® Premium printer series provides the customer with a simple, clean and well organised installation. The Premium printer is based on the HP TIJ 2.5 technology and has a robust industrial design. One of the advantages of the Premium print heads from HSA Systems is that they only need one single cable for every four pens, which minimises the number of cables as both power and data flows in the same cable.

When printing needs to be simple and easy

Many manufacturers need a simple solution to print dates and lot numbers on their packaging. One example of a customer who has a reliable and very simple printing solution from HSA Systems is Oekoladen. Oekoladen, a manufacturer of organic, high quality chocolate, needed a simple and small printing solution to print a lot number and the expiry date on the chocolate wrapping. The printer had to be small enough to be installed on the flow pack machine where the wrapping is being printed just before the chocolates are packed. The solution from HSA Systems was the HSAJET® Micron, which is a small 'out of the box' printer that is perfect for repeat print jobs like date and lot numbers. The Micron provides up to 12.7mm of print height, and does not take up much more space than the print cartridge itself.

The biggest challenge was in fact to find an ink that dried quickly on the glossy flow pack material. The HSAJET® K4021si Thor Black Solvent Ink was the perfect solution, providing a sharp and dark print that would not smear or scratch off.

Visit HSA Systems at interpack

At interpack, HSA Systems will showcase its pharmaceutical Print & Verification systems, the new solvent bulk system as well as a selection of printers for box coding. There will also be a presentation of new products, some still under development, but visitors will have to visit HSA Systems' stand to find out what that is.

"We really look forward to welcoming visitors to our stand at interpack. interpack 2014 was a huge success for us with more than 500 visitors. We are placed right next to Hewlett Packard's stand in hall 13. Besides trying for yourself how easy using our printing solutions is, you can also taste the chocolate from Oekoladen – which is yet another good reason to drop by our stand," says marketing coordinator Christine Louise Dalskov. □

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