



Stora Enso is a global supplier of the paper, bio-materials, wood products and packaging industry. The Group has some 30 000 employees in more than 35 countries worldwide. Stora Enso customers include publishers, printing houses and paper merchants, as well as the packaging, joinery and construction industries.

One field of Stora Enso’s operations is Stora Enso Gallop, the world’s first integrated digital printing packaging line launched in 2008. The solution includes inline systems for printing, varnishing, stacking, buffering and die cutting. Target markets are such as pharmaceutical products, media, software and consumer electronics, with their specific needs for multiple language versions of varying sizes.

The recently launched second generation of Stora Enso Gallop offers customization possibilities to customers via modularity. One of the value adding options is inline image inspection by Vision Experts.

In 2010 Stora Enso’s Digital Solutions team got in touch with Vision Experts for exploring the possibilities to integrate the VE 4000+ DIGITAL print inspection system into Gallop. The challenge was to provide both PDF and 100% inline inspection capability for the production of pharmaceutical folding cartons.



Marko Rynänen, Project Manager at Stora Enso Research Centre Imatra, was involved into the decision process: "We have been searching for a proven solution on the inspection market for a while already. At first it was hard to find a partner, who could exactly offer what we needed: experience in inspecting digitally printed cartons, expertise in inline PDF verification and understanding the needs of the pharma market. Vision Experts combined all these prerequisites. They could demonstrate the performance of their system at one of their customers who was doing similar inspections for Xerox iGen4 prints, as we planned to integrate into Gallop too."

The integration project started in 2011. A specific sheet transport module was designed for feeding the sheets under the high resolution line-scan camera. The inspection module is integrated to the Stora Enso Pinta coating unit which applies varnish on the products.

The solution provides inline checking of the printed characters of every single sheet. The inspection covers every sheet – even the smallest text flaws or dirt is reliably detected. In pharmaceutical packaging it is essential that all details printed on the carton and leaflets are complete, 100% correct, and leave no room for misunderstandings.

In case of print flaws or any other imperfections, the defective sheets are automatically ejected.

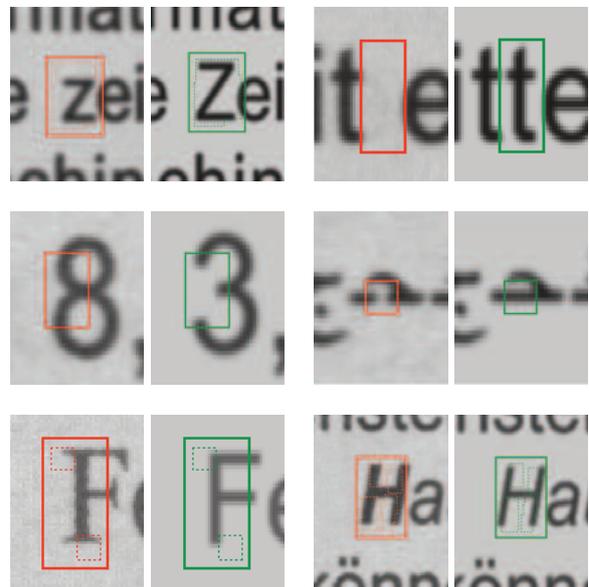
"We are committed to continuing our innovative development work on the digital printing of packages, because we are quite confident that this is what the increasing diversity of consumer goods marketing needs," says Sari Häkli, Sales Manager of Stora Enso Digital Solutions. „The reliability, overall performance and dedication to perfect work of Vision Experts helps us to fulfill our customer's need for quality."



## About Vision Experts

Vision Experts GmbH is a specialist in 100% inspection of premium-quality print products. All solutions are tailored to the needs of our customers. We are amongst the leading suppliers - with over 300 installations for 100% print inspection in 15 countries.

Our solutions are working in web and sheet-fed printing machines, and for converting equipment. Our list of customers includes leading printing machine manufacturers, international packaging manufacturers and medium-sized businesses.



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