

# Partnership

Vision Experts and Müller Martini

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## The Perfect Combination

As a producer and supplier of cutting edge technological systems, Müller Martini supports the graphics industry all over the world. Thanks to decades of experience and a high level of technical competence, Müller Martini continually raises the bar worldwide with new innovations. As the cost and time pressures in the graphics industry are becoming ever greater, the quality of the end product should be continually improved at the same time. All of this demands perfection and efficient, fully automated systems. And that is the strength of Müller Martini and its technology partner Vision Experts.

The adjustable format rotary presses Concepta, Alprinta and VSOP have been adopted for all quality critical products such as patient information leaflets, value printed products, labels and packaging. For the fulfillment of the highest quality requirements not only is state of the art print technology required, but also continuous print inspection.

“The combination of our print machines with the inspection solutions from Vision Experts guarantees the highest quality” states Dr Andreas Hitzler, the director of Product Marketing at Müller Martini.

Hans-Hermann Bibel, Managing Director of Vision Experts, adds “We have shared customers with the widest possible range of print products. All of them are very happy with the quality and the quality assurance”.

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## Patient information leaflets

Pharmaceutical patient information leaflets are preferably produced on Müller Martini offset print machines. The quality of the print is ensured in two steps. Firstly, the proof is compared with the customer's PDF. Then, the inspection system switches into the real time inspection mode, checking each and every print. Only with a combination of both checks can quality be guaranteed and shown to be at the required level for the pharmaceutical industry.

The Vision Experts systems for pharmaceutical printing check both sides monochrome and in the highest definition.

## Value printed products

Value printed products like stamps, tickets, lottery tickets and excise/revenue stamps are produced on Müller Martini print machines. Because of the extremely high quality requirements of these products, Vision Expert inspection systems are used to detect and avoid all types of print faults.

The Vision Experts systems for value printed products inspect both sides in the most thorough way possible and in colour – including the permanent visual safety features.

## Labels

Labels for high value products are also 100% checked with Vision Experts Systems. At this juncture, the colour is just as critical as text components in the labeling of products.

High definition colour cameras are used for the inspection of labels, so that they can spot the smallest abnormality.

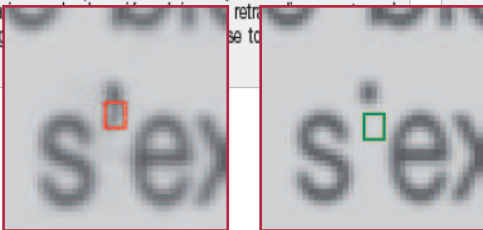
## Package printing

The different materials used in package printing test the different requirements of the inspection system and the printing machine. The image inspection uses back lighting to check transparent material. All other printing material is inspected from above with front lighting. The web passes by the inspection system on either the front or backside, according to the way of printing and kind of material.

### Propiedades farmacocinéticas

#### Absorción

La domperidona, si se administra por vía oral en ayunas, se absorbe rápidamente y alcanza su concentración plasmática máxima al cabo de 30 a 60 minutos. La biodisponibilidad absoluta reducida de la domperidona por vía oral (aprox. 15%) se debe a su amplio metabolismo de primer paso en la pared intestinal y en el hígado. Aunque, entre las personas sanas, la biodisponibilidad de la domperidona aumenta después de las comidas, los pacientes con trastornos gastrointestinales deben ingerir la domperidona de 15 a 30 minutos antes. La disminución de la acidez gástrica reduce la absorción de la domperidona. La biodisponibilidad oral disminuye con la administración concomitante previa de cimetidina y de bicarbonato sódico. El tiempo necesario para alcanzar el efecto máximo se retrasa tras las comidas. La AUC aumenta al ingerir alimentos con las comidas.



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