obvious:

ttPRINT completes Multivac thermoforming machines with MR-cross web labeler

Vital convenience located in Erkelenz, Germany, has a declared goal of delivering quality, freshness and excellent taste in its products. The company claims that the combination of quality and everything which makes modern living enjoyable and convenient is the very essence of the products that leave its doors. To ensure that this is the case, Vital convenience has put in place a quality management system designed to maintain its exacting standards. Every step in the process is watched with great diligence. The marking which contains variable data is an essential aspect of continuous quality assurance.

Small printer – crisp text image

EU regulations stipulate that the marking on food packaging must be easy to read. As a result, marking systems have to generate a sharp, clear text image. However, quality expectations for marking systems in the food processing industry already go considerably further than that.
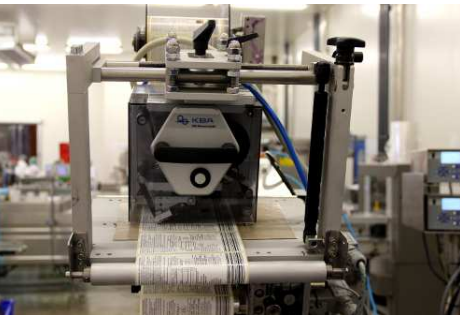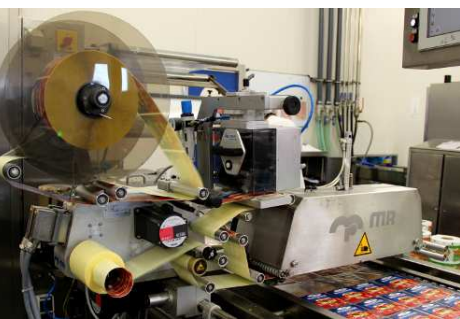
Since the beginning of 2015, all of the Multivac thermoformers at Vital convenience have been outfitted with MR cross web labelers, and KBA-Metronic ttPRINT XS thermal transfer printers are used on all of the systems with highly satisfactory results.

The barcodes, best by and batch traceability dates are clearly legible. The printing is accurately positioned in the reserved space. The thermal transfer printer easily keeps up with the speed of the production line.

„There was no real need to replace the thermoforming machines and labelers which were still functional. It is so easy to synchronize the ttPRINT XS with the packaging machines, and taking all factors into consideration they are far more efficient..“

Markus Dux, Produktionsleiter

Programmable marking systems are needed to introduce production optimizations. Therefore the company began the search for suitable systems to replace all of the existing coders, some of which used clichés.

Various technologies from different suppliers were tested for suitability. The task definition was clear: uncomplicated integration into the existing production flows using existing Multivac thermoformers configured with MR cross web labelers. The effort had to be kept to a minimum.

Marking containing variable data is applied directly to pre-printed labels before the labels are attached to the sealed trays by a cross web label dispenser. The labels are applied to the top of the trays on some of the packaging lines and to the bottom of the trays on others. Ideally, the existing mountings and frames could be used with the new marking system.

„Dependable production flows are important and optimization at our innovative company is an ongoing process. Convenience foods must taste good and be easy to prepare and eat. They also have to look good"

Hans-H. Tappen, CEO

It was possible to continue using the existing frame for the three hot embossing printers which were replaced. Customer-specific frames were designed for the other printers.

The cross web printer completely traverses the line to apply the labeling. Constant motion causes some degree of wear. With minimal effort, the new frame was quickly modified to make it as compact as possible, which saves weight and reduces wear. The built-in print unit applies variable data to the label. Because the print unit and the controller are separate subsystems, the controller can be mounted on the packaging system to save weight, eliminating the need for a special design.

ttPRINT-technology

ttPRINT runs continuously or intermittently and is perfectly suited for implementation in packaging machines as well as labellers.

It features a high-resolution inline print unit, various print widths and an easily changeable foil cassette. Its durable thermal strip and foil saving automation reduce cost of ownership.

The trouble free integration of the system is made easier by separation of print head and control unit and also by diverse printing heads in right or left hand version.

Thermotransfer printing is ideal for high-resolution print quality on flexible packaging materials such as flow packs, tray-sealing, film, folding boxes and labels.

Whether single or multiline production, plain texts, or barcodes, logos etc. the ttPRINT prints various data securely and reliably. ttPRINT cuts material and energy consumption allowing you to reduce your running costs. With a huge range of high-quality thermal transfer ribbons for various print heads you are sure to find the perfect one for you.

Coding is our passion!

KBA
KBA-Metronic GmbH