



Envion

Envion

– Intelligent product marking company

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**Effortless
product
marking**
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**Absolutely
fine print
quality**
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**A quick
action
companion**
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HIGH QUALITY PRODUCT MARKING



The marking of large moving and rolling paper and carton rolls require special know-how as well as custom case by case application development.



EnviOn

- Intelligent product marking company

Many products require identification marking or labeling before completing their journey to the end customer. In the paper, wood, construction and food industries as well as many other industries product marking plays an essential role in the identification process.

EnviOn is a company specialised in product marking that delivers labeling coding and marking systems to industrial production lines. EnviOn markets the industry's leading marking equipment, which mainly come from Germany and Italy. Long warranty periods and large ink tanks with long replacement times are some of the basic features of the devices.

The market for marking equipment is mainly replacing old equipment with new. With this in mind, EnviOn has developed an intelligent data modifier that enables the use

of the existing data transfer smoothly without the need for long production stops.

The functionality and speed of service is EnviOn's first criterion in customer relations. Quality, functionality, reliability, fast delivery times and unique industry know-how are the strengths of the company. Marking large moving and rolling paper and carton rolls requires special know-how and the case-specific applications development.

Every case is a positive challenge for EnviOn to conquer and to achieve a valued product marking solution.

EnviOn's own product development also takes place on the automation side, where motion or different-sized products bring their own challenges. Each case is a positive challenge for EnviOn to develop a successful marking application.



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WHY CHOOSE ENVION FOR YOUR PRODUCT MARKING NEEDS ?



Functional equipment



On time deliveries



Reasonable prices

Our first choice for inkjet marking equipment

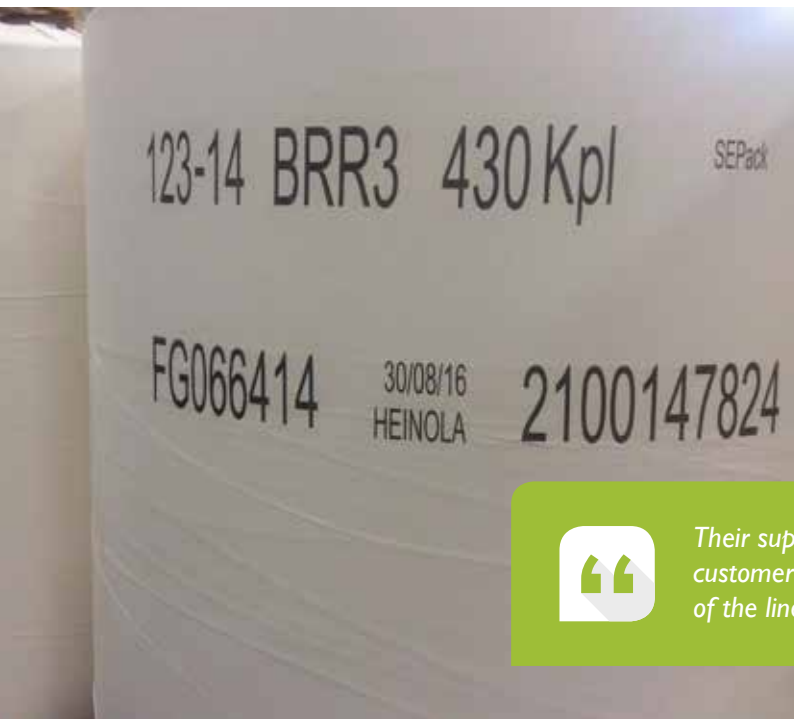
Our business revolves around the roll, we make roll wrapping and conveyor systems and their upgrades. These are often multifaceted projects with different marking needs. We deliver what our customers need.


The choice of marking equipment starts with a clean sheet or a customer has pre-selected marking equipment which needs separate mechanics. The familiar brand and the positive experiences of it understandably guide in the choice of marking equipment. We have experience with several suppliers and Envion is well on the map. Their support, know-how and customer service are top of the line.

Large moving rolls of different sizes are challenging marking applications and always require external mechanics. The marking equipment have been fairly easily installed and commissioned with the help of Envion.

The ink market and ink handling are their own style of art. The 1.5 meter diameter rolls are jetted with ink continuously, the ink does not dry up and we have learned to handle the equipment properly. Envion is our first choice for inkjet marking equipment.

Ari Partanen
Project Manager
Saimatec Engineering



 *Their support, know-how and customer service are top of the line.*

Equipment works and business runs

We print barcode and roll information on wrapped client paper rolls, the diameter determines the number of prints around the roll. The paper roll comes to the marking station where the inkjet printer marks the codes and numbers on the rotating roll. In addition, a separate shipping label with product information is attached to the surface of the roll.

One-and-a-half years ago we changed our marking equipment to a Zanasi marking system from Envion. Marking equipment has evolved steadily and Envion represents high quality products in the market. The equipment has not been complaining, so everything has gone quite well. When the equipment works reliably and business with Envion runs with ease, we have a functional packet.

The support structures of the marking station have had to be strengthened so that the marking distance from the roll is sufficient and the precision of the marking is at the required level.

Mikko Forsell

Work Planner

UPM Communication Papers, Kymi



Marking plays an important role

As the only marking, the inkjet marked barcode on the PK9 roll wrapping line plays an important role in the identification of the paper rolls. This marking includes the order code and information about the paper. When a forklift picks up a paper roll, a camera reads the barcode and it is essential that the information is correct.

The second marking occurs on the surface of the roll wrapper in the packing stage where in addition to the barcode, a separate roll label is printed. This step is not so critical, but markings must be made on each roll. Envion equipment has been in use on both lines for a couple years. It has been a practice to replace the print engines with a factory refurbished unit once a year which reduces down time. Reliability has been good and there have been hardly any fault situations. There is plenty of ink in the large ink tank, but in the final stages there have been some minor "jammings".

When printing, the print head is driven close to the roll and then the rotating roll is marked. Accuracy is the key to handling big masses. On the wrapping line, Envion made a separate protective plate to ensure the correct distance. Co-operation with Envion is going smoothly through all stages.

Juha Pyöriä

Maintenance engineer, automation

UPM Communication Papers Kymi





The expertise of Envion has been useful in installations and commissioning, they also provide help in every situation and they service the equipment regularly.

Customized for the sheet cutter

A marking is made on top of each paperboard pallet. The marking includes product information and identification in a barcode and in plain text. There are two inkjet printers in use, one serves the big sheet cutter and the other serves three smaller cutters alternately.

The printers are custom made for this application and they cannot be commissioned off the shelf. In this case, the printer moves and prints on the stationary product. Mechanical precision and just the right height and alignment are important for functionality. Printhead movement is the biggest challenge, and vibrations result in the need for purging.

When the settings are in place, the devices are very reliable. The expertise of Envion has been beneficial in installations and commissioning, they also provide help in every situation and they service the equipment regularly. With regard to software, support has also been available from the manufacturer from Italy.

One big plus for Envion's printers is the sufficiency of ink, we can now operate for half a year as opposed to a few weeks in the past.

Kari Kitunen

Project Manager, Empower
Stora Enso Inkeroinen consumer board mill





Better usability

We print a laser-readable barcode on each customer roll containing all relevant information of the paper. In addition, we print a set of numbers which is easily readable with the human eye. Some customers also want us to print a certificate which identifies the origin of the tree.

We renewed the inkjet marking equipment portfolio five years ago. With the previous printers we had big problems with usability, the Zanasi printers provided by Envion are clearly superior in this respect. We are not yet completely satisfied with their functionality either, as the ink stalls and the printheads get blocked from time to time, and we have to purge the equipment.

Co-operation with Envion is straightforward. They are close, they work transparently and respond immediately and they truly want to find solutions to our problems. Envion's professional competence and ability to respond quickly is at a good level. The recent replacement of the paper roll end marking station was smoothly brought to completion.

Over the past 20 years I have seen the development of the industry, Envion is undoubtedly leading the way at the top of the line.

Pertti Varjola

Operations Manager, Machine Line
Stora Enso Anjala paper mill



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EnviOn

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INDUSTRIAL PRODUCT MARKING SYSTEMS AND INKS