

MERCER RADIO FREQUENCY IDENTIFICATION

What are the advantages of RFID in the Pulp and Paper Industry?

Bale or unit numbers and barcodes are often difficult to decipher and can be damaged during transport. This makes it difficult and labour-intensive to ensure complete and timely traceability of supply chains. By using RFID technology and equipping forklift trucks with antennas, every movement is registered and recorded in real-time in our ERP system. It is also possible to transmit information such as quality data using the tags.

1

What is RFID?

RFID (Radio Frequency Identification) is a transmitter-receiver system with which data can be transmitted continuously and (unlike barcodes) without direct visual reference. The system consists of a transmitter, the RFID label, and a receiver, the reader.

2

What material are the tags made of?

The tags consist of a carrier paper that is glued on with water-soluble glue. The antenna is printed with ink. It is not necessary to remove the tags before processing, they dissolve during the pulping process. The tags we use are industry standard and have food grade certificates.

3

Where are the tags applied?

Each unit contains two tags on the outer packaging. This ensures that the reader can read them safely. There is 1 gram of label material for every 2 tons of pulp.

4

Can different RFID systems communicate with each other?

Yes, there is a GS1 RFID standard for the pulp industry, which regulates the positioning, transmission strength and encryption of the tags, among other things. This ensures that the same standard is used everywhere in the world and that readability is guaranteed.

5

When are Mercer tags attached to the units?

Mercer Stendal will begin testing in July 2020, Mercer Rosenthal will begin testing in August 2020, after which time, tags will appear sporadically on the units. The full implementation of the ERP processes is planned for October 2020. From then on, each unit will be equipped with RFID tags.

6

What will change for customers in order processing?

Nothing will change for you if you do not want it to. However, we would be pleased to discuss the possibilities of RFID technology with you and to develop tailor-made solutions for even better cooperation!