



1. Detection of a reference water mark on safety paper

The position of a reference water mark must be inline detected. During the printing process it is necessary to synchronize the consecutive registers to the reference water mark. The sensor type **L-LAS-RL-20-W** can be used in the reflective way and in connection with an external light source (e.g. the color sensor SPECTRO-3-30-DIL) also in the through beam way. The distance from the line scan sensor to the object is here about 55 mm and the distance from the lighting source (SPECTRO-3-30-DIL) to the object is around 50 mm. As shown in the screen shots, a proper detection in the through beam as well as in the reflective way is possible.



