



1. Color control of fluorescent color marks during the production

In order to accomplish a proper printed design in addition to the positioning of the respective fluorescent color marks the intensity is very important, too. On a normal printed material there are several reference marks located, amongst others, marks which are used for an intensity adjustment of the respective color. In general this intensity color marks (e.g. fluorescent red, fluorescent green and fluorescent blue) are available each with three different intensity shades. A fast inline fluorescent color detection sensor is the **SPECTRO-3-30-UV** which comes with a switching frequency of typically 25 kHz and the distance to the color marks is approximately 20mm. The three different intensity levels of each color can be detected properly, as shown in the attached screen shots.



