



1. Fluorescent label detection

Fluorescent labels should be detected on semi-transparent carriers. For this purpose a color sensor type **SPECTRO-3-FIO-UV** in connection with an optical fiber type **R-S-A2.0-(2.5)-1200-22°-UV** and an optical frontend type **KL-3-A2.0** are used. At this, the distance of the frontend to the label is approximately

11 mm and the spot size at this distance is around 1.5 mm in diameter. As shown in the screen shots, the label as well as the gap between the labels can be proper detected.

