



### 1. Detection of an adhesive tape on plastic flooring

An adhesive tape, which has the task to combine the two ends of the plastic flooring, should be detected. At this, the plastic flooring can be different in color; the tape, however, is either yellow or brown in color.

For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** is used. The distance from the end of the optical fiber to the tape is approximately 15 mm and the spot size at this distance around 10 mm x 4 mm. The adhesive labels can be proper detected as shown in the screen shots.

