



### 1. Color mark detection on plastic film

A black color mark should be detected on a shiny plastic film. At this, it has to be taken into account that different background colors can occur. For this purpose a color sensor type **SPECTRO-3-FIO-SL** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical front end type **KL-8-R2.1** are used. The distance of the frontend to the plastic film is approximately 11mm and the spot size at this distance is around 4mm x 0.7mm. The color mark can be proper detected, as shown in the screen shots.

