



### 1. Color mark detection on aluminum coated plastic film

Color marks should be detected on aluminum coated plastic foil. An analog as well as a digital signal is required at the sensor output. For this purpose a contrast sensor type **SPECTRO-1-FIO** in connection with an optical fiber type **R-S-R1.1-(3x0.5)-1200-67°** and an optical frontend type **KL-5** are used. The distance from the frontend to the aluminum foil is approximately 18mm and the spot size at this distance is around 4mm x 0.7mm. The color marks can be properly detected, even at a very high speed, as shown in the screen shots.

