



### 1. Defect detection on metal bands

Dark as well as bright spots with different size should be detected on metal bands. For this purpose a color sensor type **SPECTRO-3-FIO-SL** in connection with an optical fiber type **R-S-R1.1-(3x0.5)-1200-67°** and an optical front end type **KL-5-R1.1** are used. The distance of the optical front end and the metal band is approximately 15mm and the spot size at this distance is around 3mm x 0.5mm. Two of these systems are necessary to cover the full width of the metal band. The different dark and bright spots can be proper detected as shown in the screen shots.

