



1. Color mark detection on aluminum tubes

A red color mark which is sprayed on an aluminum tube must be detected during the linear movement of the tube. Furthermore on another aluminum tube the black characters and figures should be detected, too. Due to the size of the figures and characters a fiber optic color sensor type **SPECTRO-3-FIO-CL** in connection with the optical fiber **R-S-A2.0-(2.5)-1200-67°** and the optical frontend **KL-3-A2.0** is used for the investigations. The distance of the frontend to the object is around 11mm. As shown in the screenshots the system delivers proper results.



