



1. Color differentiation of balls in transparent plastic film tubes

Semitransparent colored balls, located in the transparent plastic tube sections of filter rods should be color differentiated. For this purpose, a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical through beam fiber type **D-S-R2.1-(6x1)-1200-67°** and two optical frontends type **KL-8-R2.1** is used. At this, the distance from the frontends to the object is approximately 11mm, respectively. The balls can be proper color differentiated as shown in the screen shots.

