



### 1. Color differentiation of clear transparent plastic parts

A yellowish cast to a bluish shade of transparent clear plastic components should be detected. For this purpose, a color measurement sensor type **SPECTRO-3-FIO-MSM-DIG-DL** in connection with an optical fiber type **D-S-R2.1-(6x1)-1200-67°** and an optical frontend type **KL-D-0°/45°-13.5-R2.1** is used. At this, the spot size at a distance of 13.5mm from the front end to the sensor is approximately 6mm x 1mm. The plastic components can be proper differentiated as shown in the screen shots.

