



1. Differentiation of slightly diffuse plastic films

Transparent but slightly diffuse plastic films should be differentiated. For this purpose a color sensor type **SPECTRO-3-FIO-ANA** in connection with an optical fiber type **D-S-A2.0-(2.5)-1200-67°** and an optical frontend type **KL-D-30** are used. The distance from the frontend to the plastic film is approximately 30mm and the spot size at this distance is around 12mm. The diffuse reflection informs about the haze of the plastic film. The different haze of the plastic film can be proper differentiated as shown in the screen shots.

