



1. Gray scale control of screen printing plastic plates

The gray scale of screen printing plastic plates should be controlled. For this purpose a color sensor type **SPECTRO-3-FIO** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical frontend **KL-8-R2.1** will be used. The distance of the optical frontend to the screen printing plastic surface is approximately 15mm and the spot size at this distance is around 6mm x 1mm. The angle of the optical axis of the frontend to the vertical axis is roughly 30°.

