



1. Color and guidance control of capsules

The color as well as the orientation of capsules should be controlled. For this purpose a color sensor type **SPECTRO-3-FIO-CL** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical frontend type **KL-8-R2.1** are used. The distance of the frontend to the capsule is around 11mm and the angle of the optical axis of the frontend to the vertical is approximately 12°. At this, the spot size at the surface of the capsule is roughly 4mm x 0.7mm. The guidance as well as the color can be proper detected as shown in the screen shots.

