



### 1. Presence control of a seal ring on a plastic component

The presence of a silicon ring on a plastic component should be controlled. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical front end type **KL-8-R2.1** are used. The distance from the front end to the seal ring is approximately 11mm and the spot size at this distance is around 6mm x 1mm. The silicon ring can be properly detected as shown in the screen shots.

