



### 1. Presence control of a seal in plastic components

The presence of a seal in a plastic part should be controlled. For this purpose a color sensor type **SPECTRO-3-FIO-JR** in connection with an optical fiber type **R-S-A2.0-(2.5)-1200-67°** and an optical frontend type **KL-M12-XL-A2.0** are used. The distance from the frontend to the plastic part is approximately 20mm and the spot size at this distance is around 1.5mm in diameter. The presence of the seal can be properly detected as shown in the screenshots.

