



1. Presence control of grease in an electrical component

The presence of grease on a metal part inside an electrical component should be checked.

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-M18-A2.0** are used. The distance from the frontend to the metal plate is approximately 20mm and the spot size at this distance around 3mm. As shown in the screen shots a proper detection of the presence of grease is possible.

