1. Detection of the presence of oil on rivet screws

The presence of oil on rivet screws should be detected. For this purpose, a color sensor type **SPECTRO-3-FIO-UV/VIS-JR-HP** in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-22°-UV** and an optical front end type **KL-9-A3.0** is used. At this, the distance from the optical front end to the rivet screw is approximately 15mm and the spot size at this distance is around 4mm in diameter. The presence of oil can be proper detected as shown in the screenshots.