



1. Oil drop presence control on a steel surface

The presence of an oil drop on a steel surface should be controlled. For this purpose a color sensor type **SPECTRO-3-FIO-UV** in connection with an external lightning source **ELS-UV-1P**, an optical fiber type **R-S-R2.1-(6x1)-1200-Y-22°/67°-UV** and an optical frontend type **KL-8-R2.1** are used. The distance of the frontend to the steel surface is approximately 13mm and the spot size at this distance is around 5mm x 0.8mm. The oil drop can be proper detected as shown in the screen shots.

