



1. Detection of a yellow stripe on metal clamps

The presence of a yellow striped on metal clamps should be detected. For this purpose a color sensor type **SPECTRO-3-FIO-SL** in connection with an optical fiber type **R-S-R2.1-(6x1)-1200-67°** and an optical frontend type **KL-8** are used. The distance from the frontend to the metal surface is approximately 11mm and the spot size at this distance is around 4mm x 0.7mm. The yellow stripe can be proper detected as shown in the screen shots.

