



1. Presence control of a notch in a lobe of a metal stamping part

The presence of a notch in a lobe of a metal stamping part should be detected. Furthermore a semicircular notch must be differentiated from an elongated notch. For this purpose a color sensor type **SPECTRO-3-FIO-SL** in connection with an optical fiber type **R-S-R1.1-(3x0.5)-1200-67°** and an optical frontend **KL-5-R1.1** will be used. At this, the distance of the frontend to the lobe is approximately 15mm and the spot size at this distance is around 2.5mm x 0.4mm. The notch can be proper detected as shown in the screenshots.

